

Table SI. Screening of DEGs in lung cancer datasets.

DEGs of GSE67061	DEGs of GSE74706	DEGs of GSE102287	DEGs of GSE89047	Co-DEGS
LUM	MYOC	CA4	MYH2	GDF10
PECAM1	ADARB1	GRK5	FAM107A	DENND2A
HLA-DRA	AGER	SH3GL3	GAS6	AGER
GPNMB	GFRA2	EMP2	INMT	ACVRL1
LSP1	AOC3	RXFP1	SPTBN1	SGCG
RARRES2	CDO1	GRIA1	GPX3	EDNRB
COL3A1	PTPRB	GDF10	SERTM1	SULF1
CD34	HSPA12B	DENND2A	XLOC_004926	FAM107A
TMEM204	ROBO4	GPM6A	RTKN2	MYZAP
FLT1	C10orf67	NCKAP5	XLOC_004925	CCBE1
SPARCL1	FAM107A	AGER	C20orf160	ZEB1
UCA1	TNXB	SLC6A4	LRRC36	SPOCK2
AKAP12	TNS1	SPTBN1	AKAP2	TEK
C1QB	SLIT2	ACVRL1	TMEM88	TAL1
PDGFRB	PDE5A	SGCG	CD300LG	STXBP6
DCN	SH2D3C	EDNRB	GPM6A	CAV2
IGLL5	COX7A1	COL11A1	LOC283737	JAM2
ITGB2	CLIC5	ADAMTS8	NTNG1	CAV1
CD93	PECAM1	PTPRB	LOC645722	GREM1
A2M	INMT	SULF1	CAB39L	ANGPTL1
COL1A2	SVEP1	FAM107A	XLOC_005530	COL10A1
RGS1	FBLN5	NTNG1	PTH1R	TMEM100
AQP1	PLAC9	NPR1	CAV1	CTHRC1
COX7A1	LINC00312	FHL1	USHBP1	RASIP1
GIMAP1	ABCA6	MASP1	PPP1R14A	SOSTDC1
IL3RA	FGD5	PRKCE	CLEC1A	KL
COL6A2	CCDC48	PRX	LOC646324	SCN7A
LCP2	ZEB2	MYZAP	FOXF1	LDB2
CD48	RCAN2	CCBE1	STARD13	RBMS3
HOXA2	LMO2	ZEB1	MAMDC2	CLIC5
LILRB2	LDB2	KANK3	XLOC_007087	LRRN3
FMOD	S1PR1	SDPR	GINS4	TCF21
TDO2	ABCA8	CALM3///CA	SHANK3	LIMS2
IL1RAPL1	GPX3	IGSF10	C10orf54	DOK6
ACVRL1	MND1	SPOCK2	RASIP1	CALCRL
GIMAP4	DES	SERTM1	LOC10050763	LIN7A
C1QA	LRRN3	TEK	FXYP1	FMO2

SPON2	RTKN2	TAL1	SASH1	DACH1
PLVAP	FXYD1		KANK3	KIAA1462
TYROBP	ITIH5	STXBP6	BTNL9	TGFBR3
MAFB	GRIA1	TNNC1	RPL13AP17	SPP1
IGFBP5	KANK2	TCEAL2	XLOC_004350	HSPA12B
ADAMTS4	C16orf59	ZNF106	XLOC_005220	EML1
WDHD1	LIMS2	CAV2	MME	STARD9
APOBR	NCAM1	FHL5	TEK	EMCN
ITGA9	TEK	JAM2	PEAR1	IL1RL1
HAVCR2	C13orf15	CAV1	LIMS2	ROBO4
SEPP1	JPH4	FENDRR	PTPRQ	8-Sep
C8orf4	SCARA5	FLJ30901///SC	LOC283299	MME
ICAM2	MFAP4	PALM2-AKA	C1QTNF7	ECSCR
CD52	VWF	GREM1	SOX7	ARHGAP6
RTTN	FHL1	ARHGEF26	LOC400550	CLDN5
TINAGL1	FMO2	STARD13	MYL3	COL6A6
HTRA3	ITLN2	ANGPTL1	SLC25A10	ADAMTSL3
ARAP3	ANLN	COL10A1	SEMA6A	ADRB2
BCL6B	CEP55	EPAS1	LOC10050611	FBLN5
ZBTB49	C9orf140	SHROOM4	PDE5A	SLIT2
CLIC2	JAM2	TMEM100	BUB1	HIST1H2BD
S100A4	LOC400568	TXNL1	RSPO1	ADARB1
IGHG4	PKP3	CTHRC1	TENC1	AMOTL1
PCDH17	LOC389033	CLDN18	ADM2	FGD5
CMKLR1	PTTG2	PCAT19	C11orf9	S1PR1
TRABD2A	ADH1B	FGFR4	DOK6	ERG
VWF	HJURP	RASIP1	HSPB3	FRMD3
IGLJ3		SOSTDC1	GJC2	RAI2
C1S	BUB1	BMPR2	C10orf67	DLC1
CCL4	GSTM5	GPM6B	LDB2	GOLM1
LST1	C1orf135	KL	LOC255480	ARHGAP31
P2RY14	PTPRQ	SPAG4	LOC10013231	ITIH5
C2	EPAS1	SCN7A	ZNF280B	DST
POSTN	LINC00163	LDB2	LOC10050549	KIAA0040
LILRB3	IGSF10	PDE1C	LOC10050606	TBX2
MS4A6A	SOX17	RBMS3	ATP1B2	TMEM204
CXCR4	LOC400550	CLIC5	LILRA5	S100A3
CCL2	CDCA2	ADAM12	LMO2	SLIT3
XCL1	PLA2G5	LRRN3	WNT7A	HIGD1B

IGSF6	CCNB2	CDH19	RAMP2	NOSTRIN
BIN2	KIF2C	EIF1	XLOC_006043	GPX3
IGLL1	CDCA5	ACKR4	E2F8	SH2D3C
C11orf96	SMTNL2	NEBL	SPAG5	GIMAP8
CD300A	GDF10	TCF21	ADAMTSL3	RAMP2
COL1A1	ASPA	SASH1	AOC3	TACC1
GUCY1A3	PEAK1	LIMS2	VWF	LMO2
MS4A4A	SLC6A4	C11orf80	XLOC_002772	WFDC1
MFAP4	TCF21	LEPROT///LE	SDPR	ADCY4
FCGR1B	ADAMTS8	LOC10192939	CYYR1	PEAR1
SFRP2	ANGPT1	MBNL1-AS1	HIGD1B	SYNM
GMFG	ACVRL1	DOK6	MOCS1	MELK
FCGR3A	ATAD2	PLPP5	TDRKH	ARAP3
KIF26B	GJC2	KIF26B	C1orf183	CD93
RASAL3	COL13A1	CALCRL	CDH5	ANXA3
FAM20C	CDT1	PDE5A	HIF3A	ESAM
CFD	GKN2	CTNNAL1	FHL1	MYCT1
PMP22	EZH2	ACADL	ARHGAP6	FBXO32
ARID5B	TBX2	LIN7A	XLOC_002771	CXCL13
APBB1IP	VGLL3	PDE8B	JAM2	NOTCH4
SCLY	MMRN1	FMO2	MYZAP	ICAM2
HEPH	LMCD1	DACH1	CASKIN2	PECAM1
SPON1	CDCA8	LINC00472	S1PR1	SOX17
BARHL1	UHRF1	RNF182	FHL5	RSPO2
SLC20A1	IHH	CDH5	ANGPT1	EDN1
NOL4L	DISP1	INPP5A	LOC400568	GUCY1A2
SEC14L2	BIRC5	KIAA1462	XLOC_001412	MYLK
C1orf54	TTK	TGFB3	EZH2	MYH10
CCR1	CHRD1	ALDH18A1	MYCT1	CLEC1A
CCL18	TAL1	SPP1	P39194	CFLAR
FPR1	YDJC	BTNL9	XLOC_004176	HELLS
CD247	UBE2T	HSPA12B	ODF3L1	TMEM47
TAMM41	F12	EML1	C20orf202	GIN5
VCAM1	SLIT3	DENND3	CAPZB	LGALS3
SULF1	RHOJ	CAT	GPIHBP1	PSAT1
DNAJC18	PTH1R	LINC00968	HMGB3	STX11
CD3D	PTGDS	WFS1	XLOC_12_006	DOCK4
PHAX	ITGA8	PLAC9	MFAP4	ABCA8
ZCCHC4	GIMAP8	CCDC85A	PRELP	PCDH12

CRIP1	F10	FAT3	ABCA8	NEDD9
DIAPH1	SDPR	ITGA1	SULT1C4	LRRC32
BHLHE22	TIE1	SGPL1	LOC10019093	SSTR1
HLA-DRB5	C1orf198	FCN3	COX4I2	GHR
GGT5	CENPA	RAP1A	LINC00312	NPR3
TRPV2	SGCG	RAB11A	EDNRB	FAM150B
SPP1	BTNL9	ADAMTS9-A	FRMD3	COX7A1
GCN1	LOC255480	STARD9	SLC19A3	FRY
SLC40A1	C1QTNF7	ADGRB3	DACH1	GIMAP1
CLEC14A	PRELP	EMCN	TAL1	UHRF1
GRASP	GPIHBP1	IL1RL1	CNTFR	AOC3
GZMA	CENPF	HPS3	HMGB3P1	CLEC14A
HLA-DRB4	GART	FAM46B	SGCG	KLF11
RABL6	CD300LG	MYRF	FAM189A1	FAM162B
MNDA	DSP	GPR146	CKAP2L	NPNT
RASL12	CFD	ADH1B	RAD54L	RHOJ
CD28	MKI67	TJP1	ADARB1	GKN2
CALCRL	RAD54L	ROBO4	FMO2	SOX7
MGP	LYVE1	PODXL	TGFBR3	BCL6B
IGFBP3	CA4	8-Sep	LOC731424	CDCA7
RELL2	SELP	SH3D19	XLOC_12_012	HECW2
MXRA8	ASPM	MME	MMRN2	NDRG2
STX1A	HIST1H3H	RAMP3	NMUR1	GRASP
TCOF1	ARHGEF16	PTPN21	MGAT3	SEMA6A
KLF2	ABI3BP	SORBS1	IGSF10	DES
SFRP4	RECK	PRDX4	GPR146	CYYR1
LHPP	L1TD1	ECSCR	CCDC150	NEDD4L
MYH11	GPR146	COLGALT2	XLOC_002344	SEMA6D
SOCS3	LHFP	LOC286191	CDC42EP2	VWF
MRPL22	ANGPTL7	ARHGAP6	XLOC_009374	ABI3BP
BMS1	A2M	CLDN5	COX7A1	KLF6
GUCY1A2	RAMP2	FAM189A2	CYP3A7	TIE1
ADAP2	RXFP1	COL6A6	CLEC3B	PIP5K1B
TBC1D10C	TGFBR3	ADAMTSL3	SPARCL1	SH3BP5
ZC4H2	ESCO2	ADRB2	MMEL1	ITGA8
LILRB5	CLEC3B	MACF1	GUCA2A	STARD8
LDLRAD4	TK1	ADGRL2	ZDHHC13	TPPP3
RASSF2	DLGAP5	FOXF1	ITLN2	VSTM4
SOD3	KIAA1462	SLC12A8	CCDC48	GJB2

ASPN	KIF14	FBLN5	KIF2C	PGM5
ANXA2P3	CDC45	WWC2///CLD	PHACTR2	HIST1H2BH
SENCR	CMTM5	ARHGEF10	XLOC_003852	PDCD6IP
FLNB	C1QTNF2	TMEM88	XLOC_12_007	CDKN1C
FGD5	PTTG1	TNS1	INE2	GIMAP6
PLEK	RSPO1	CD300LG	CD93	FAM65A
CXCR6	FIGF	SLIT2	LTBP4	FAM167A
ARHGAP15	ADH1A	HIST1H2BD	RXFP1	AURKA
SLCO2B1	RSPO4	SCN4B	MKI67	CRYAB
PXN	ADRB1	PDLIM2	SEMA5A	ZNF366
CSF1R	NMUR1	CASKIN2	MYH1	PTGIR
COLEC12	THSD1	CNKSRR2	CMTM5	PHACTR1
POU2AF1	STARD8	RBM17	GHR	FXVD6
ARMC9	KIF15	ADARB1	HSPA12B	SFTPC
STAB1	PMP22	SEMA3G	XLOC_012043	UBE2T
COL18A1	IL3RA	AMOTL1	FGD5	CYP4B1
FSD1	GRK5	EXOSC7///CL	XLOC_012308	SUSD2
RNASE1	PKNOX2	FGD5	FXVD6	MFAP4
TLDC1	SPTBN2	KNTC1	STX11	ARHGAP29
BATF	CASC5	S1PR1	VGLL3	IL17D
PCDH1	CDC25C	ADRB1	SLC6A4	LYVE1
ROBO4	SGOL1	ERG	PTPRB	PLSCR4
GIMAP8	EGFL7	GNG11	FREM3	ABLIM3
RAPGEF3	SRPK1	SLC2A5	ACTN2	PCM1
CDH11	SYT15	RALGPS2	LPHN2	C2orf40
KCNJ8	IQGAP3	HSPC324	XLOC_000527	KIAA0101
PLBD1	GTSE1	GPIHBP1	FEZ1	RASL12
MSR1	FOXF1	ADRA1A	ARAP3	GTSE1
ZMYND8	MAMDC2	FRMD3	RERG	SOX5
MTG2	FAM162B	RAI2	4-Sep	C5orf34
MARVELD1	CDK1	PCAT6	PPAP2C	NCALD
HBB	RASL12	AHNAK	C20orf46	GPC3
CD53	HSPB2	CAB39L	RSPO2	SRPX
FAM26F	TMEM100	DLC1	LGI4	FANCI
BCAR3	CALCRL	GOLM1	GSTM5	SYNPO2
VSIG4	PZP	ARHGAP31	THBD	CHEK1
KDR	PTPN21	C1QTNF7	HMMR	ITM2A
IGKC	ECEL1P2	EFCC1	RNF182	GNL1
CCL3	MS4A15	RAB11FIP1	FGFBP2	WISP2

MT1A	LOC339524	ITIH5	SLC11A1	SGCD
FSIP1	MGP	DST	LOC10049946	PPP1R14A
KLK6	DPEP2	SNRK	LOC572558	CCNB2
CCDC102B	HMMR	VIPR1	ECSCR	FEZ1
CARD10	POC1A	KIAA0040	DPY19L1	RGN
ESAM	NOTCH4	PTRF	CDCA8	CCDC68
RUNX1T1	MYBL2	TBX2	FAM150B	BUB1
IL1B	SPARCL1	CCM2L	SCN4B	DNASE1L3
C1orf162	MAN1C1	KCNK3	CFD	LSAMP
TRERF1	NTRK3	GALNT18	PALMD	MT1M
MMP12	GINS1	TMEM204	SGIP1	HBB
METRNL	STX11	TTLL7	FLJ34503	TGFB2
OSBP2	MYZAP	LGI3	ROBO4	SPARCL1
ARIH2	TMEM204	SPATS2	F10	TIMELESS
CD163	GRASP	LRRC57	NEGR1	KIF14
CD69	CAMK2N1	C10orf54	S100A3	SLC39A8
LOC10013105	CYXR1	C14orf132	MMP11	MYH11
PLK1	HIST1H3B	S100A3	SLIT2	CFP
ASB1	C16orf45	TRIOBP	DNAH14	CAMK2N1
MED22	DENND2A	PDK1	ECEL1P2	JAM3
HDAC3	ADCY4	SLIT3	LOC10012798	AFAP1L1
CD248	TBX4	CFL2	LHFP	SLC2A1
PLCD4	PI16	WNT2B	NUSAP1	ANLN
CSNK1E	KIAA0101	HIGD1B	GDF10	GFRA1
ANGPT2	TPPP3	DAPK2	MND1	NCAPG
MPEG1	TPX2	PTPRG	AGER	CHRD1
LOC10050641	CCNB1	SLC44A1	XLOC_12_013	UBFD1
CHI3L1	PPP1R14A	RTKN2	TNXB	PRKG1
TAGLN	MYCT1	FGFBP2	SNCA	CEP55
TOMM34	FZD4	NOSTRIN	WFS1	HEYL
UBE2V1	ERCC6L	GPX3	ANO2	HMMR
SLC25A24	SYNC	SMAD6	RS1	WASF3
PGAM1P4	SCN4B	OTUD1	GPC5	ABCA6
HLA-DPA1	KCNA4	CPB2	EMP1	MMP12
ADGRA1	LOC338653	SYNE1	SYN2	CSPG4
RGS5	EMCN	TIMP3	TCF21	AQP1
MT1B	HIST1H2AI	TGFB2	SH2D3C	SPRY4
TCFL5	HSPB7	LIMCH1	KIF11	FILIP1L
EREG	HIST1H3F	TBX4	SOX17	CCNF

FTH1	PRKCE	FER1L4	LOC10050593	THSD4
MT1X	ERO1L	SH2D3C	PODXL2	CD36
ACTG2	CDH19	CORO2B	HSPB2	CLIC3
CAPN10	ZNF300P1	GIMAP8	TOM1L2	SYT15
ARHGAP30	KIF23	TBX3	Q9H8W2	BRIP1
IL10RA	HELLS	RBMS2	GFOD1	ARHGAP24
SLC16A6	CCRL1	GNAQ	HIST1H2BD	TPX2
SGK1	PDE8B	RAMP2	XLOC_003477	CXorf36
FBN1	TCEAL2	TACC1	ASPM	NUSAP1
HEYL	C15orf42	CXorf57	CDC25C	LARP6
CDC25C	ANGPTL1	LMO2	CYP21A2	ORC6
PRSS3	FANCA	WFDC1	XDH	C1orf21
TGFB3	CNRIP1	LINC00312	XLOC_007827	MMP11
ECSCR	ECSCR	PPP2CA	PECAM1	NEK2
VAMP5	WISP2	ADCY4	CA4	RERG
HOXA5	CLEC1A	TCF3	WNT11	WIF1
NPHP4	PKMYT1	PEAR1	WFDC1	SDC2
KIAA1551	APBB2	PHACTR2	GPM6B	IL4I1
TGFBR2	VIP	SYNM	ADAM28	HOXA4
TNFAIP8L2	RUNX1T1	MELK	PDS5B	CCNB1
HLA-DPB1	SGCA	PRDM11	CCNB2	MYL9
USP46	OLA1	STX12	SEL1L2	FRAS1
LYVE1	CCL14	ARAP3	DUSP26	TMTC1
PEAR1	CDKN3	7-Sep	BMPR2	
IL2RA	NCAPG	SAP18	TRHDE	SHE
TBC1D9B	FLJ30901	FXYD1	XLOC_12_013	FGF18
LMCD1	LEFTY2	CYS1	TBX2	PDK4
SLC15A3	CALCOCO1	CD93	DENND2A	KRT4
PLXDC1	ACADL	TTC28	CDH19	TBC1D1
FAP	PALMD	COX4I2	CBLC	CFD
PLEKHG1	SPAG5	ANXA3	PLAC9	HLX
IGHV3-30	PYCR1	ESAM	WDR62	FIBIN
SH2D3A	BUB1B	TNXB///TNX	GCNT3	GMNN
FAM20A	TROAP	MYCT1	C16orf59	STIL
NRG2	RNASEH2A	INMT	FPR1	DNAJC12
PTRH1	LOC645722	TUBB1	IHH	OCIAD2
ENTPD1	HIGD1B	FBXO32	NEXN	PTTG1
MMP19	NPM3	PDIA4	SYNM	CADM1
SLC7A7	NOVA2	SEMA5A	STARD8	MOCS1

XCL2	CSRP1	GPB1	HEG1	AKAP12
MARS	LIMCH1	CDK19	XLOC_003223	CDCA2
ARL11	ESPL1	RGCC	GRRP1	CDCA3
SLIT2	KCNMB2	ANOS1	FUT2	CKAP2
CYTIP	NOSTRIN	CXCL13	BIRC5	MAD2L1
NAP1L1	BORA	THBS2	XLOC_007342	MICALCL
MT1H	C7	PGM5-AS1	TRPC3	
SPECC1	GIMAP1	CPED1	NCKAP5	ACE
KCNQ1	ANO6	TNPO1	DBH	KLF2
ABCG4	RAI2	SVEP1	FRMD5	MYO19
RAI2	PPP1R14B	LOC10193034	TPM3	CDCA5
MT1L	KIF17	PARVA	ANXA8L2	FLI1
TYMP	HMBS	NOTCH4	ARHGAP24	GLIPR2
FAM53C	FHL5	RAPGEF5	NOVA2	PCDH17
EGR2	ADAMTSL3	ARHGEF15	XLOC_010719	SHCBP1
KCNJ2	UBE2C	FNTB	C10orf25	CDC42EP2
IL4I1	CMKLR1	MMRN2	BUB1B	PBX1
NAIP	LGI4	PARD3B	TOP2A	DNAH14
PLPP3	FERMT2	ROBO2	XLOC_006870	WDHD1
KLF6	HIST1H3D	MIR4738///H3	XLOC_12_014	JUN
SET	CDCA7	HSPB8	GIMAP8	TBX5
PA2G4	HEG1	ADAM28	VSNL1	NEXN
MT1G	CCNA2	MS4A15	GRASP	ARHGAP44
COL6A1	CDH5	KDELRL3	ESCO2	CDC20
TRBV5-4	SPC25	LDLR	TACC1	CENPK
ID2	CYP2U1	ICAM2	TTK	NLN
OSBPL2	CHAF1B	SSR3	LY6G6F	NCAPG2
TRIP10	SCUBE1	C1orf198	TBX3	C1orf106
ZEB2	NPR1	MAMDC2	ADAMTS1	MMP1
TNFAIP6	UTRN	TNFAIP1	HOXA5	CP
INHBB	POLQ	SBSPON	SLC35A2	CCNA2
CLEC3B	AKAP12	PECAM1	TIE1	RASGRP2
TRPM2	FRMD4B	SOX17	CEP55	CENPF
SNHG17	FABP4	SLC1A1	LOC10050639	ZEB2
GIMAP7	CHEK1	CDO1	CELA2B	SELP
SLAMF8	KCTD12	RSPO2	RGS9	LMCD1
HIGD1A	DEPDC1	COL1A2	LOC285943	KIF20A
ACKR3	MYLK	EDN1	PTPN5	CNRIP1
RGP1	FILIP1	COL1A1	XLOC_012610	FMO3

PDGFRA	MUSTN1	CCSER2	GYPC	FRMD5
ABLM3	HOXA5	GATA2	XLOC_005856	ST8SIA1
IGK//IGKV3-	THRA	GUCY1A2	CLEC14A	SNCA
IL1A	PRDM6	TMSB15B//T	CAV2	AURKB
NUPR1	PIK3R1	SEC63	CELA2A	NAALAD2
MMP1	RASIP1	FABP4	C14orf132	CCDC34
EMC3-AS1	RPS21	LOC10106060	GPR4	SGIP1
NDUFA10	CDCA3	MYLK	AHNAK	TK1
LINC01094	RPGR	MYH10	XLOC_006928	OSBPL3
NF2	AQP4	PIR-FIGF//FI	CDCA2	ITPR1
ELMOD1	STARD13	CLEC1A	ANKRD23	A2M
HSPB2	KIF11	SLC14A1	EMCN	PLEK2
MTHFSD	C1orf112	RNF144B	KIF15	PRR11
ECM2	RMI2	NEGR1	PTPN21	FANCD2
LRIG1	ZNF677	CFLAR	ASPA	TMPRSS4
SMOC1	STIL	HELLS	HIST2H2AA4	PKMYT1
ACTA2	PPAP2B	NBR1	HIST1H2BC	PLCL1
RGS16	ART4	COL3A1	XLOC_012568	DHFR
ERG	STX12	SLCO2A1	TSPAN9	KDR
SELM	C2orf29	PLEKHH2	CASC5	FEN1
DFFB	C19orf48	TMEM47	XLOC_011592	FGFR2
GAS8	SCN7A	LOC10099676	CASP12	NKD2
JCHAIN	PLEK2	GINS1	MEIS1	P2RY14
RPS4Y2	NCKAP5	RADIL	RADIL	CCL23
HLA-DRB1	ACTN2	PKIG	STIL	HJURP
C5AR1	HN1	LGALSL	MINOS1	DMD
FILIP1	SEC14L6	PSAT1	XLOC_12_010	SCGB1A1
MRGBP	PRR11	WWTR1	LYVE1	FANCA
SLC2A4	CLSPN	LTBP4	RGS17	FAM83A
ITGA8	FGF11	STX11	SCN2B	PLK4
CACNA2D4	MELK	TPPP	TMEM47	IL33
RPS4Y1	LRRC36	FZD4	CORO2B	BVES
CEBPA	NPNT	INPP5K	SH3BP5	HSPB2
WISP1	CCDC150	SIK2	ZEB2	BIK
PPFIBP2	CHRM1	HEG1	GPER	LGR4
PITPNM2	SMAD6	DOCK4	TYRP1	CX3CR1
KIAA0141	NUF2	ABCA8	DST	RTN1
JAML	ESRP1	SLK	MLF1IP	EGLN3
MAP4K4	EMP2	PEAK1	XLOC_12_002	B3GNT3

EHD2	DOCK4	FAM122A	LOC10050624	GPR4
SH3TC2	CLDN5	PCDH12	LONRF2	FGR
TMEM176A	CASQ2	TSPAN7	XLOC_004067	ALDH1A1
DNAJC5	RAC3	FOXP1	LOC10050587	TACC3
RBPM52	SPOCK2	FERMT2	PDZRN3	AQP4
CNRIP1	EDNRB	ANKRD29	RNF144B	CNN1
FCGR2A	KCNT1	NEDD9	COLEC12	FBLN1
ELAC2	DNASE1L3	LOC10192950	LOC10050617	FUT2
P2RY8	KCNA5	ERBB4	LOC643650	IL3RA
HOPX	EME1	AGMAT	HOXA4	TRPV2
DENND1A	RERG	ARRB1	LMCD1	GPT2
CPZ	CLDN18	LRRC32	PAK1	ZFPM2
NAGS	E2F8	ABHD6	CDT1	DEPDC1
GZMB	C11orf83	HLA-E	PAFAH1B3	PEBP4
EBF1	MCM4	ARHGEF12	ATP1A2	CD34
STX16	KNTC1	SSTR1	ABCG2	HGF
RCAN2	TMEM108	GHR	XLOC_010945	CYP2U1
LARP1	MSRB3	STOM	XLOC_011535	PGC
GPR183	ATAD5	RPL23AP32	TK1	EYA4
SARS	HIST1H1B	NPR3	RAPGEF4	ECM2
HARS	CBX7	TPD52	WNT3A	CACNA2D2
CDCP1	TENC1	KANK2	RMI1	ZCCHC24
PROSER2	GIMAP6	FAM150B	PYGM	PDZRN3
PTPRC	ST14	COX7A1	RAB26	RAPGEF3
ATP8B4	RECQL4	ACACB	HJURP	CHI3L2
APCDD1	F11	FRY	IQGAP3	EBF1
ARVCF	NMU	SUZ12	NXPH3	FBXL7
POU5F1P4	ID2	MANF	IBSP	CPAMD8
PANK4	HIST1H2AB	GIMAP1	XLOC_003405	CYP24A1
MXRA5	ELN	AKT3	RHOJ	ADAMDEC1
CLDN5	TMEM88	ARGLU1	FLJ30901	AR
ELL2	MAP3K3	LOC10192830	ITGA6	C15orf48
ADGRA2	TYMS	SLC5A9	CNTN6	RGS17
LOC10013279	SLC16A12	ANKS1A	MELK	E2F7
C16orf52	HBA2	SNX1	PLSCR4	C1orf112
TCF4	WFDC1	UHRF1	IL17D	GIMAP7
MORN4	HMGB3P1	AOC3	C7	HDC
SLA	TIMP3	CLEC14A	PAQR4	P2RY6
LOC344967	BOP1	FUT8	IL3RA	CYP3A5

LIN28B	FOXM1	ADGRL3	RP11-165H20.	N4BP2L1
CXCL13	GIN52	KLF11	C5orf34	DPEP2
POMGNT2	FAM66D	LMO7	MXD3	MMP9
WRAP53	MSI2	ART4	GTSE1	CDT1
LURAP1L	COL6A6	GSK3B	C12orf39	PPARGC1A
KRT7	PIEZO2	PAPSS2	TCEAL7	SOBP
MS4A7	ASF1B	PKNOX2	HEATR7A	CALHM2
NDRG3	PBK	UTRN	KIF14	RUNX1T1
C1R	BRIX1	LHFP	LOC10013290	SPINK1
ANO8	HIST1H4L	FAM162B	CENPA	DUOXA1
BAZ2A	FANCI	NFASC	LOC643733	STX1A
SNAPC4	MYH10	PGM2L1	CREB3L4	NTN4
FES	NEK2	NPNT	AIPL1	PHF19
SLC45A3	CXCL12	RHOJ	GLT25D2	HIST3H2A
FASN	CCNE1	GKN2	PRR19	RETN
HSPA12B	CASS4	TMEM139	PALM	GYPC
SIMC1	ADH1C	TMEM74B	FAM162B	EPHB2
HOXB2	NDC80	SOX7	FGF2	DPT
SHC1	RSPO2	QKI	XLOC_12_008	CRIP1
AEBP1	METTL7A	PALMD	TJP3	CRTAC1
JAKMIP1	TRIP13	BCL6B	CDC20	CENPL
ZSWIM1	KIFC1	PARVB	HSH2D	S100A4
DDX19A	TCTEX1D1	CDCA7	KIF18A	FSTL3
OSM	LRRC32	HECW2	C1orf112	RACGAP1
IFRD2	UCHL5	VAPA	CXorf36	MT1E
TNFRSF14	CASKIN2	NAV2	ANGPTL1	BEND7
NBPF11	NR2F2	CBFA2T2	LOC10028874	DACT3
MZT2B	RPL13AP17	POU6F1	MUSTN1	FCN1
BTN2A1	GAPDH	ADIRF	ADH1B	GJA4
SNED1	NUSAP1	NDRG2	HIST1H2BK	METTL7A
C1QC	SPC24	GRASP	LAMC3	TSPAN2
PFAS	CDKN1C	TBX5-AS1	CLEC1B	SLC24A3
KCNE3	PLEKHO2	NRN1	MYL9	DONSON
MFSD1	GRRP1	TMEM108	SLC7A4	UCHL5
SERPINF1	TNFSF12	LOC10028785	RECK	SOCS3
RBL1	SKA1	MSI2	TNS1	TFAP2A
LYZ	BOLA2B	SHANK3	SRL	SLC7A5
CSGALNACT	HMGCLL1	PRICKLE2	ORC6	LAMA2
PRSS2	SLC39A8	SEMA6A	NOSTRIN	CD83

ADGRL4	ACACB	DES	RGS6	DCN
GCK	CD34	RAPGEF4	CLIC5	ACTG2
FAM216A	HIST1H2AM	CYYR1	MSR1	HIST1H2AE
TIE1	THOC3	PDZD2	TEX14	NOV
IGLV6-57	ST8SIA6	NEDD4L	RNF122	MPDZ
LOC10099657	DACH1	PLOD2	XLOC_12_006	FGF7
SNRPC	PRC1	SEMA6D	FANCA	DDR2
SERPINA5	MEIS1	ATP5S	RPGR	BAIAP2L1
COQ10A	GIMAP7	VWF	RASGRP4	PRG4
ADCY4	C2orf40	MIR1204///PV	PPM1F	USHBP1
TSC1	HIST1H2BF	COL5A2	CADM1	HPGDS
CTSK	HIST2H3A	STX3	MASP1	ALOX5
CD33	PGR	ABI3BP	RBMS3	MTBP
SRGN	INPP5A	SUPT20H///D	UNC45B	TDRKH
HMGA2	TRPV2	GPD1	C1orf115	MCM10
OLFML2B	PALM	ATXN3	LOC389033	APOBR
ANKRD30BP	TBRG4	PPP1R15A	GNL1	PRIM1
LTBP3	CRY2	KLF6	TROAP	FRMD4A
DAND5	SEC14L3	SPRYD7	CCNB1	OIP5
TOR4A	E2F3	TIE1	XLOC_12_001	MARVELD3
GSG2	GATA5	PRKCH	OTX1	HOXA5
ZBTB32	HBB	FILIP1	CDH13	CLEC12A
OTUB2	OR7E47P	PIP5K1B	DLGAP5	PDLIM3
TRAF3IP3	ATP1A2	UGGT1	XLOC_003422	PTPRN2
MPRIIP	PCDHA3	SH3BP5	LGI3	PRR5L
GAPVD1	CKAP2L	ITGA8	PGR	APCDD1
GEMIN4	SYNPO	CCDC50	XLOC_002675	MPP6
ZFYVE28	MIF	MIF	L1TD1	MARCO
VMO1	C6orf125	AGTR1	TBX5	ETV4
TCEA3	SH3D19	RRAS	NES	CCRL2
MVK	FAM136A	TSPAN18	SVEP1	PTGDS
CNN1	FAM195A	DUXAP10	PHLDB2	C7
LRRC32	MOCS1	MYADM	C6orf99	TMEM156
CCL3L3	KIF20A	SRSF3	LINC00163	CDKN2A
FAM174B	AGMAT	TSPAN12	LOC10050590	MRC1
PTTG3P	RBL1	RMI2	EIF5	DCHS1
PTTG1	LPL	MAP4	SPOCK2	PC
IL1R1	MYADM	CUL3	RBP2	CCL2
HOXA3	KIF4A	2-Mar	ACY3	TYRP1

MEST	PDE2A	STARD8	JAKMIP2	FAM105A
CTAGE10P	BLM	MIR3934///UQ	LOC10050597	KCNJ8
DBN1	CENPN	TRIM59	C9orf131	FAM124B
PODXL	WDHD1	TPPP3	TOX3	AIF1L
ADAMTS5	ADRB2	VSTM4	ADAM33	MRGPRF
NEDD4L	ORC6	IGFBP3	ANLN	AGTR2
FOXP2	NOL6	DAB2IP	TPX2	DOK2
ADAMTSL2	CNN1	SLC12A4	TMEM204	SEC14L4
TSPYL1	CACYBP	LRRC36	CENPF	ABCC9
TAF3	LOC642924	TOX2	ARC	BRCA1
TRIM32	RPS2P32	GJB2	C10orf35	STAC
WDR55	TRIM58	WWC3	ZWINT	CENPH
CEP97	TIMELESS	GNA11	KIAA1274	MMP19
MAPKBP1	DAB2	PGM5	OCIAD2	CD52
RORA	MLF1IP	HIST1H2BH	APBB2	DSEL
ZAP70	FRY	LAMC3	ANKRD20A3	GALNT14
CDK5RAP1	RAD51	SHMT2	PZP	H1F0
ZHX3	ID4	LY75-CD302//	SH3D19	KCNN4
ADAMTS12	ABLIM3	ST6GALNAC	TKTL1	HMCN1
DNAJB9	SLC2A1	DENR	ITGA10	PCSK5
MEDAG	GJB2	SSR4	BMPER	AXIN2
CHMP4A	AVL9	AGTPBP1	ST6GALNAC	NLRC4
TBX2	EPT1	MIR6872///SE	TNFAIP8L3	EDIL3
ANXA2	FXYP6	RASSF8	SLC2A12	VSIG4
KTI12	KIAA1377	CELF2	UBE2T	HIST1H2AC
HLA-DQB1	ECT2	PDCD6IP	LOC10013131	GNLY
CD3G	BAIAP2L1	KLF4	ZNF365	KRT80
LOC643733	INCENP	PPFIBP1	AJAP1	ARHGEF16
AURKA	LOC400456	4-Sep	SCN7A	CFTR
PCDH12	ROBO2	PCDH9	AKAP12	HIST1H2AM
STK17B	RALGPS2	SCARA5	KIF4A	ELMO1
ELMO1	ZWINT	HIST2H2AA4	TNNC1	COLEC12
MSMO1	PAFAH1B3	BCHE	NECAB1	ALOX5AP
CENPK	GPM6B	DCUN1D5	A2M	NUP62CL
H2AFY	AURKA	CDKN1C	KIF20A	CENPW
RASGRP1	STK10	FCRL5	ADCY4	HSPB3
TMEM37	PTGIR	TRIM59///IFT	TSPAN18	KIFC1
EVI2A	MRPS17	TOM1L2	LEFTY2	CENPN
FGR	ERG	SLC16A5	CCHCR1	MNDA

CPS1	CENPE	PREX2	C22orf31	ARHGAP28
HEMK1	RGS9	GIMAP6	CLDN5	F2RL1
FAM189B	KPNA2	MEF2A	KIAA1462	TRIP13
ALDH1A1	C12orf48	FAM65A	GLIPR2	C1orf162
PTPN3	TGFBR2	TRHDE	PMP22	TNFRSF18
GMEB2	HIST1H2BO	LONRF1	VSIG4	SYT12
PARP4	PTGIS	PLPP3	ULK2	EXO1
SLC9A9	MYO19	FAM167A	XLOC_12_001	IGFL2
CD2	PPAT	AURKA	RAB19	MEOX2
SLC7A5	NXPH3	DBF4	CDC25A	ADAMTSL4
FADS3	VGF	ATP1A2	ESPL1	PHLDA2
HGF	ITPR1	RWDD1	GMNN	SFRP1
FAM149B1	HIST1H2BG	CTTN	HIST1H2BB	PLN
ZNF598	FBLN1	DPYSL2	LRRC26	HK3
HCG18	PAK1	PAICS	HGF	APOLD1
AFF4	MAD2L1	F10	ENG	BTNL8
TMEM120B	ATXN3	MAP3K3	GINS2	CXCL12
NSD1	TNNC1	MSRB3	DKK3	NEIL3
LINC00265	ADCK5	SRF	TMCO2	MEX3A
NDUFAF2	ZBTB16	OR7E47P	C15orf48	RHOV
GLB1	PTPRM	PDS5B	XLOC_012255	CD300LF
MIEF1	8-Sep	TMEM39A	FAM69A	OLR1
CADM1	GPT2	ANGPT1	FBXO43	STK31
HLA-DRB3	CENPM	TNS2	ENDOU	MSR1
TTI1	HIST1H3J	CRYAB	POC1A	SPON1
GIMAP5	NOL10	STRBP	ERCC6L	HRCT1
HOTAIRM1	C7orf58	ZNF366	GTSF1L	S100A2
CTHRC1	ANKRD20A9	PTGIR	HSPB7	ALPK2
ATG4B	LOC10050705	UBE2C	ZCCHC5	NR4A3
AGFG2	LRRFIP1	GPI	B3GNT3	NLRP3
PLSCR4	ZNF365	BUB1B	DEPDC1	IL6
NAA15	ST6GALNAC	TMEM110	CHEK1	MACROD2
WNT7A	AQP1	ABCA9	CDK1	CD33
DDR2	SEC14L1	PHACTR1	LILRA2	CDC25C
FOSL1	VEPH1	UACA	JAM3	CMKLR1
RNF144A	FANCD2	NES	ERG	FAM64A
COL6A3	HIST1H2BH	BNIP2	CLSPN	SPI1
PDE1A	MCM10	NTRK2	HTR3C	CBLC
ATP9B	CEACAM20	PTGFRN	NTRK3	PLK1

SUCNR1	CLU	PXDC1	SRF	LYPD1
OR8B8	PLA2G1B	NOVA2	XLOC_002041	POC1A
ADCY6	PLEKHH2	SSBP2	CDKN1C	MGP
MIAT	THOP1	FXYD6	C9orf140	CEACAM5
IMMT	EBF1	THBD	CD5L	KCNJ5
ARHGEF10	SGCD	ASPA	CAV3	FPR1
CD38	SRRM4	LIFR	LOC644662	SOX2
MMP2	TOP2A	MPHOSPH9	VGLL1	AQP9
MYLK	PHACTR2	LPL	FIBIN	
CCL13	RADIL	TCTE3	FBLN1	
HSD17B7	HEATR1	SORBS2	PYCR1	
TMPRSS4	TBC1D2B	NDRG4	ACACB	
DOCK2	FAM54A	CSRNP1	XLOC_000508	
CDCA2	ADAM33	BPTF	8-Sep	
LARS2	BZW2	SFTPC	SGOL1	
C17orf51	KIAA0355	NT5DC1	LOC727808	
DZANK1	RASSF2	C1QTNF2	KIAA1217	
IGHA2///IGH	DPP6	LDB3	CDCA5	
NCF4	LOC158376	LRCH1	PLAGL1	
PHF19	PRDM5	LINC01296///	SLC39A8	
DLGAP4	PEAR1	SNORD54///R	XLOC_012269	
CXCL12	PID1	FKBP14	SIRPD	
CYYR1	POLR1C	BMPER	FCN3	
MEGF6	GLP2R	SULT1C4	MLC1	
FAU	GNL3	PGR	ACSM2B	
MMS19	PDE1C	KDEL2	LMNB1	
BPNT1	SAC3D1	UBE2T	XLOC_007958	
EPB41L3	ANKRD1	RECK	TNFSF12	
PMPCA	SPP1	CBFA2T3	SGCA	
SCARB1	HPSE2	WAC	MSRB3	
MGAT4A	GAD1	CYP4B1	ACE	
TUBG1	SNORA74A	MYO1C	STRA6	
ZNF629	CNTN6	NOS1	L3MBTL1	
HOXA4	PVT1	NDFIP2	THSD1	
AP4E1	HYAL1	LAMTOR3	CDKN2A	
COL5A2	CNFN	DERL3	ADAMTS9-AS1	
LOC10192914	GLIPR2	USP47	PRKG2	
PDE6B	DCUN1D5	MID2	HIST1H2AM	
NAALAD2	OLFML1	SYNPO	HS6ST2	

SOX17	DSTN	CBX7	LINC00472	
RHOF	ETV4	LOC10537942	PGM5	
SEMA4F	CACNB2	TOP2A	CDH23	
HECW2	MAOB	EZH2	XLOC_010505	
RPS6KB1	AK2	SUSD2	HIST1H2BI	
FLYWCH2	GJA4	KANSL1L	ADORA2B	
FAM101A	CKS1B	HNRNPA0	EPHA10	
PLXNA2	LMOD1	MFAP4	XLOC_007615	
CCDC47	ARHGAP6	NDST1	XLOC_014411	
SOX7	PAFAH1B1	DNAJC15	SNORA18	
ALG13	RCC1	HTT	CNRIP1	
BCL6	ITIH3	ARHGAP29	KIAA0101	
TRIOBP	C10orf10	CX3CL1	CCNE1	
CCNH	XRCC3	NFIA	XLOC_12_009658	
COL5A1	LOC10012888	MELTF	KIF24	
F13A1	MRGPRF	ADGRG6	XLOC_005991	
DENND1B	SOD3	IL17D	CCNE2	
PI4K2A	PC	LYVE1	C9orf100	
PIF1	AGRP	SEL1L3	TLCD1	
LILRB1	IRAK1	SFXN1	XLOC_012592	
FBP1	FLT4	PLSCR4	BMX	
RGS18	AFAP1L1	KAZN	GFPT1	
ZNF697	KLF2	HYAL2	KIF22	
IGF1	AVPR2	SORT1	LOC158376	
CYBB	TARS	ABLIM3	SKA3	
LAIR2	CAD	PCM1	SLC22A10	
NMT2	HIST1H2AD	CACNA1D	PGAP1	
SLC25A27	FRMD3	C2orf40	SH3RF3	
KRT23	CACNA1H	KIAA0101	SNORD4B	
VAV2	LINC00341	UBL3	GRK5	
GNB5	MS4A7	RASL12	LRRFIP1	
GBP2	BYSL	GPR180	ETV4	
TSHZ2	DIXDC1	BLNK	H3F3B	
RAD18	DCAF13	EIF5	FAM124B	
ACP6	SPTBN1	IL18R1	SOX2-OT	
DENND2D	RASGRP2	GTSE1	PDE6A	
GZMH	CRTAC1	SOX5	BVES	
CCDC68	LOC572558	C5orf34	CLCN2	
ITGAX	SULT1C4	NCALD	UACA	

FOXK1	KIF22	GPC3	LOC285419	
SIGLEC1	HSD17B1	SRPX	LRRN3	
ANO4	ZDHHC14	WBP11	NDC80	
HLX	MEX3A	INPP1	DNAJC27	
ITCH	ANAPC1	PPAT	MYOZ1	
HSD17B7P2	HIST1H2BI	KIAA0368	PTGIR	
PCMT1	PNRC1	GGCT	LOC100128788	
AREG	LBH	EHD2	KIFC1	
ZDHHC16	FLJ34503	PCBD2	TUBB1	
GPX7	PGM5	CCDC141	IGFL2	
POMT1	JPH2	TTN	CENPE	
STARD9	PLA2G4C	NXF3	ART4	
DCBLD2	OTX1	STYK1	ERN2	
GATAD2A	ZFP106	GMPPA	CDC45	
TBC1D1	SERPING1	NACC2	BRIP1	
CAPN3	HIST1H2AL	VGLL3	RMI2	
QRICH1	RERGL	POSTN	DCLK2	
HRCT1	ARHGEF15	FANCI	CA5B	
MT2A	C1orf106	LRRFIP1	SLIT3	
MISP	CDC20	SYNPO2	SCUBE1	
PLXNC1	CCNE2	MYOC	ILDR1	
PTDSS2	RILPL2	IFT57	AGTR1	
CXCL9	OTC	SAP30L	P60896	
TSPAN11	HIST2H2BF	ZMYND8	CD300E	
PPOX	CACNA2D2	ADGRE5	XLOC_003400	
SLC39A14	SSTR1	P3H4	SYCE3	
FGF7P6	GNG11	ERO1A	LRRTM4	
ADAMTS9	LTC4S	SRD5A1	NOTUM	
BGN	GUCY1A3	ERP44	NUF2	
TPSAB1	LEPR	CHEK1	RAI2	
CPXM2	RGN	ITM2A	C3orf67	
ACD	SGOL2	GNL1	AGPAT4	
ICMT	HIST1H2BL	ASPM	BCHE	
CKMT2-AS1	2-Mar	SRPRB	ALS2CL	
SARM1	LRR1	EGFL7	XLOC_008114	
KCTD8	MTMR9LP	WISP2	DEPDC1B	
ST8SIA1	PFDN4	ARL6	BNIP2	
DNM3OS	SLCO2A1	FUT1	TRIM58	
OGG1	SCN2B	MAPRE2	HOXA7	

CLN8	XPO1	KCNT2	COL10A1	
PRR11	LNP1	SGCD	SHCBP1	
ASXL1	P2RY14	MAGI1	PDLIM2	
ERGIC1	FIBIN	ULK2	XLOC_011814	
NEIL3	NEXN	PPP1R14A	MYO19	
CLEC2B	CYS1	LOC643733	NXF3	
KDM4D	HIST1H2BC	CYBRD1	ZNF93	
OSBPL10	PLAU	CCNB2	HBA2	
KIAA1462	UACA	ZDHHHC14	XLOC_005755	
FERMT3	RRAS	FEZ1	SMPDL3B	
IGFBP6	MAPRE2	DIXDC1	ECT2	
TFPI2	PEBP4	RGN	XLOC_005875	
CILP	ORC5	HMBS	HIST2H2BF	
KIF1C	NFIB	SPG20	KIAA0895	
PTGIS	E2F1	BCL2L11	HELLS	
DGKH	C20orf46	CCDC68	LOC100507055	
IGFBP2	DTYMK	SEC24A	XLOC_006411	
EMCN	CAB39L	BUB1	AATK	
MT1E	HIST1H2BB	TMEM106B	PDCD2L	
ASPHD2	GIMAP4	SLC25A25	ANKS1A	
IGKV1-5	PODXL	EMP1	ABCA6	
RNF215	WIF1	PPP1R12B	DTNA	
MBNL1	MARVELD3	LOC10013104	FRY	
ZFPM2	HIST1H2AE	TMEM237	XLOC_007879	
EMILIN1	TJP1	DSTN	LOC441204	
GPR32P1	TDP1	SCAI	XLOC_008379	
KIF3A	AGTR1	RRM2	FABP4	
RPUSD3	HBD	KIF11	HN1L	
TPPP3	PNPT1	KCNA5	TMPRSS4	
SH3KBP1	PYCRL	FAP	SRPX	
PLA2G7	SALL4	AFF3	XLOC_12_008275	
NOX4	ARHGAP31	SCG5	KIF17	
NPL	MACF1	ALDOA	PPAPDC1A	
SLFN12	C7orf41	P2RY1	PEAK1	
THBS2	BRI3BP	PMS2P5///PM	DLL3	
ITGA2	NDST1	MAFF	ASF1B	
DRICH1	RPL28	DNASE1L3	MAPK11	
PPP2R2D	OGN	KLF13	TNAP	
RCBTB2	C20orf202	NUP210	ZNF135	

SRA1	LOC10013274	LSAMP	XLOC_012044	
SURF4	CDKL1	LINC00115	SKA1	
FKBP11	ISCU	FKBP11	FAM13C	
CCRL2	ITGA10	DISP1	EBF1	
FAM107A	NONO	PSMD11	MMP19	
GRAMD1B	BRIP1	SGCE	RRM2	
CAMK2N1	PRR19	LINC01296///	XLOC_008700	
CD96	SOBP	CASZ1	SFRP1	
LYRM7	FOXP1	AMOTL2	NOTCH4	
GTF3C4	ARHGEF17	PRRC1	SH3TC2	
N4BP2L1	ULK4	CLCN4	CD302	
DPY19L4	TMEM132C	MT1M	MCM10	
ARFIP1	ECE2	ARL13B	C7orf58	
L3MBTL3	CPB2	HBB	UBFD1	
ALDH7A1	PFKFB4	TGFB2	CCDC68	
ANKRD12	HRC	GIMAP1-GIM	RDM1	
C19orf68	SNRPE	SPARCL1	XLOC_008005	
PREX1	ARHGEF19	TIMELESS	MIPOL1	
NUP62CL	TBX3	LRRC49	TIMM8A	
MMP9	SFXN4	ZNF423	FANCI	
KATNB1	HSD11B1	COCH	INCENP	
CHRNA1	TRPC3	SMAD7	CHN1	
MMP7	ECM2	ASPHD2	HOXA2	
WDFY4	REEP1	KIF14	MEFV	
CST7	TOX2	KIF18B	XLOC_008047	
CAPN15	ANKRD20A2	SLC44A2	ADAMTSL4	
PNPLA3	HTR3C	SLC39A8	TMEM106B	
1-Mar	PUSL1	MYH11	STOX1	
TMEM220	MAPK4	DOCK9	SLC5A9	
NUP93	ACSS3	RASSF6	TRIM71	
DIDO1	CYBRD1	EFNA4	AURKB	
MAF	PLCE1	NTRK3	DCHS1	
MKL1	CORO2B	VSIG2	CEP41	
8-Sep	HIST1H3I	CFP	FLJ31485	
NRXN3	FAM189A2	JDP2	FBXO16	
TBX5-AS1	LOC386758	CEBPD	C3orf64	
LOC10024073	HIST1H4I	ZC3H12C	GPR20	
TTY2	KLF9	CAMK2N1	SLC6A16	
ZNF521	TIMM8A	MAOB	CFP	

SSR4	LOC285181	HMGB3	RAD54B	
MAP7D1	GIMAP5	JAM3	EGFL7	
UROS	TMEM132A	ALS2CL	LMOD1	
VEGFC	NUDT1	CDKL1	FAM53C	
FAM209A	METT1	LOC10050731	GFRA2	
NELL2	CCDC34	KANK4	FEN1	
FABP3	MSRB2	ZWINT	OTUD1	
WDR36	FEZ1	PTEN	PRKCE	
ANGPTL2	TACC1	AFAP1L1	EPHB6	
IL1R2	SYNE1	AQR	XLOC_12_007571	
TRAF7	EML1	ID4	FOXP3	
SYNPO2	IL16	USP7	STYK1	
FGD3	CYP4B1	CA5B	P2RY1	
RAP1GDS1	DST	CDC42EP4	MYLK	
HIST1H2AC	CENPO	SLC2A1	GPT2	
SRRT	HIST1H2BM	PYCR1	KCNQ3	
CDC23	MIS18A	IQGAP3	ADAMTS17	
CLIC6	AOX1	ENG	APOLD1	
CHL1	APOL3	LOC10192927	XLOC_011980	
CKLF	AK4	OGN	ITGA8	
SH2B3	RAMP3	TENM4	HIST1H2BH	
FRMD5	CRABP2	BMP5	XLOC_002643	
PNPT1	CBFA2T3	MKI67	XLOC_005563	
HNRNPCL1	MEF2A	ANXA11	LRRC70	
JSRP1	MCM6	ANLN	MRGPRF	
PIP5K1B	HMGB3	SBDSP1///SB	HEYL	
ACOT11	LRPPRC	MCEMP1	PPP1R12B	
GTSE1	SEPP1	DDX5	LOC283481	
RTKL1	LOC284889	BLM	LINC00092	
TRIM2	LAMA4	SFTA1P	LSR	
KYAT1	SHFM1	CRTAP	FAM70B	
CCL8	ACE	GFRA1	OLFML1	
HLA-DQA2	COX4I2	TMEM178A	OIP5	
TMEM27	KLB	DLGAP5	ICAM2	
HOXB3	DPT	NCAPG	LOC389641	
TLR2	ADAMTS1	SYNE3///LIN	C13orf15	
GPRIN1	PREX1	ATOH8	DOCK6	
PLCL1	CLEC4GP1	COX15	ANKRD36BP2	
N4BP3	EPS15	REEP1	TLL1	

ZNF48	CHEK2	HBA2///HBA1	SIX4	
CAMK1D	C11orf80	PDGFB	ARHGEF16	
EDNRB	ELMO1	CHRD1	GUCY1A2	
AQP9	FCN3	LINC01268	CD36	
SSH3	CELSR3	NFKBIA	GPR153	
DEF8	FLI1	TNFSF4	GRIK4	
BRD8	SHMT2	GSTM3	XLOC_004049	
CBLB	PHF19	LOC10272461	AFF2	
FTL	PKHD1L1	SNX25	TIMELESS	
STK17A	ATP1B2	UBFD1	FAM65A	
HELLS	SUB1	PRKG1	MYADM	
GNA14	CCRL2	HMGCLL1	ABI3BP	
AFAP1L1	ZBTB47	CDKN2D	PCSK5	
KCNMA1	DUSP1	GART	NCAPG	
CCDC115	PGC	CEP55	ARHGAP39	
ADAMDEC1	CCDC167	SPIDR	BAIAP2L1	
C9orf40	DACT3	SNX2	PLK4	
DAPK1	RRM2	SERPINE2	LOC100507150	
HNRNPAB	TPI1	PLCE1	SPC24	
PIP5K1P1	RBM24	PRKCZ	TGM1	
LAPTM5	HIST1H2AC	GPRC5A	LOC399815	
CTDSPL	BAI3	TYMS	AMOTL1	
TNFAIP2	ATOH8	ADPRH	XLOC_12_011255	
COLEC11	HIST1H2BK	MAP1LC3C	C3orf58	
ALDH1A3	POLR1B	HEYL	TMEM35	
CERS4	HIST2H4B	PAFAH1B3	PSAPL1	
OGFOD3	PTGDR	HMMR	SEC14L1	
RNF13	RAPGEF2	PLEKHA8	PDE2A	
TMEM156	C14orf132	TMEM110-M	MFSD3	
IQGAP2	SMC4	WASF3	IL11RA	
PLEKHG3	ARC	ABCA6	CCDC149	
TRNT1	BMS1	APC	MOGAT1	
FGF5	LOC10050631	MMP12	PDLIM3	
CD46	GALNTL1	CSPG4	FAM66D	
ANKS6	GMNN	KNOP1	EXO1	
C1orf116	RASGRF1	AQP1	HIST1H2BM	
S1PR1	GEMIN6	ZHX3	EPB41L2	
RLBP1	ANP32E	RFC4	ADCY8	
ZNF609	ZEB1	RCC1	FBLN5	

FAM110D	LTBP2	SPRY4	HNF4G	
LINC00707	GCAT	DNAJC27	CST1	
VASH1	RSPO3	NPM3	SYNPO2	
GPR34	GGCT	DYNC1I2	LOC100287216	
ARHGAP29	PPAP2A	GSTM5	XLOC_004984	
DVL1	LOC91948	PPP1R14B	MAGI2-AS3	
PSRC1	HYAL2	NCK1	HIST1H1E	
PTPDC1	EXOSC4	MMP28	MB	
ACSL5	NR2C2AP	FILIP1L	XLOC_010591	
PRAME	DENND3	CCNF	PKD1L1	
FAM210A	C20orf160	FUT8-AS1	LRRC32	
MS4A14	TRAIIP	HIST1H2BJ///	XLOC_12_009219	
ZDHHC21	CCDC102B	SMPDL3B	EDN1	
FGF7	CD36	MARCKSL1	RASL12	
URM1	PKD1	THSD4	CHMP4C	
IKZF3	GPM6A	IL11RA	C2orf15	
TNRC6C	BCL6B	CDS2	KAL1	
ZNF516	CRYAB	FGF2	RANBP3L	
TPM3	C5orf58	DKK2	CDCA7	
FAM187A	PLK1	CD36	MYOC	
PDXDC1	CD302	RPS6KA2	RNFT2	
TRAPPC10	C5orf41	CLIC3	SH2B3	
KLHL6	CGNL1	SYT15	IFT81	
LIN7A	HSPB8	GIN52	MT1M	
VDAC1	TTC28	BRIP1	EMP3	
NUDCD2	VSIG4	MMP14	ITIH3	
GATB	NIP7	LINC00961	KL	
PRMT7	ARHGEF10	ARHGAP24	GPRC5D	
ARHGAP4	SIGLECP3	RPL7	SYNPO2L	
SKAP1	CIB4	TPX2	PPBP	
NUDT6	C11orf67	RAD51AP1	XLOC_001002	
PCDHAC2	GSG2	PPM1F	GPR112	
SIN3A	IQSEC1	HLF	C21orf58	
RGS13	PAK1IP1	FANCG	HN1	
FBXO10	PLSCR4	CXorf36	PKNOX2	
TIGD4	SHANK3	TMCC1	SLC24A3	
EEPD1	GREM1	FOXF2	MAOB	
HIGD1B	MSTO1	CD47	IL1A	
FAM81A	FAM60A	PABPC1L	DOCK4	

MAP2K1	ACTG2	COPG2IT1	NFIA	
RBBP9	CYP27A1	TMEM182	TRIP13	
NELFA	CBLC	NUSAP1	CEACAM7	
LSM11	RELN	CSRP1	XLOC_012601	
CDKN2AIPN	MYOZ1	TPBG	TBXA2R	
SERF2	LRRTM4	FHDC1	CCNO	
GIMAP6	PPME1	ROR1	STX2	
ARHGAP28	CTGF	EP300-AS1	C19orf38	
GTPBP1	OIP5	AATK	PBK	
FKBP1B	CAV1	OBFC1	RCC1	
LOXL2	TPBG	LOC10193057	CENPM	
ZBED2	HIST1H2BD	DOCK6	NDRG2	
RNASE6	C3orf15	MCM2	MPDZ	
CASD1	NTNG1	LARP6	SFRP5	
TLR5	LRRC3B	VEPH1	GFRA1	
SOCS1	DUSP26	KIF2C	NCAM1	
CCL11	IL7R	TMEM184A	GRIA2	
SPATA33	NLE1	ORC6	SLC7A5	
BRPF3	KIAA1456	HIST1H2BC///	PKIA	
KIT	SNRPG	FRMD4B	GJA4	
DOK7	EPN3	C1orf21	XLOC_12_000514	
CDC14B	FYCO1	MIR3945HG	SBK1	
MOV10	ST6GALNAC	FAM199X	XLOC_013688	
AVPI1	PREX2	GALNT7	OR51E1	
APOC1	C12orf69	ANKRD36BP	STXBP6	
DHFR	C18orf56	SECISBP2L	XLOC_12_002790	
FBXL18	HOXA4	ACOXL	TMC5	
DAGLA	CHAF1A	PLA1A	LINC00028	
ESM1	BMP5	DIAPH2	NEK2	
GPR50	RFX2	CNTNAP3B///	LOC100506795	
AOC3	ARAP3	GFOD1	SLC6A13	
LPAR6	GYPC	MMP11	XLOC_014361	
OSBPL3	MPDZ	TMOD1	XLOC_009813	
ATP1A1-AS1	TMEM182	PIK3C3	S1PR5	
FAM124B	KL	MFSD9	LOC100506578	
LOC90768	KCNT2	MTMR10	KCNK17	
IL7R	GAB2	COL5A1	XLOC_011978	
CCDC80	DCN	NEK2	PCBD2	
TRPC6	ESAM	KISS1R	CDO1	

MRGPRF	MTMR1	PLXNA2	SEMA3D	
SPATA2	ZNF92	RERG	LOC728684	
ITGB7	FLJ42875	NSD1	LOC100505504	
SCAF1	C10orf2	LOC285812	LDB3	
COL10A1	LOC646808	LOC10050785	CSF3	
HLA-DOA	LDB3	HMGB3P1	SCN3B	
NEXN	LOC10012798	SEC24D	GRHL2	
MYO1F	ABCG2	PPFIA1	LOC100133311	
ITGBL1	HIST1H4F	WIF1	NPR3	
ARFRP1	MEMO1	SDC2	ESAM	
SPARC	DNA2	LMOD1	RACGAP1	
COX5A	DCLK2	SERINC2	SCAI	
SNTB1	BCL2L12	C1orf115	ITIH5	
VAPB	CCL15	PLLP	LPL	
MCC	HIF3A	KNL1	ANGPTL7	
SNRNP70	RACGAP1	PTPRM	LY9	
MTHFD1	RBM28	B3GALNT1	C6orf25	
FKTN	HGF	AP1S1	CXorf68	
IFI30	LEPREL4	ARHGEF40	ZC3H12B	
TNFRSF6B	MRPL3	DKK3	USP7	
SGTA	NAALAD2	IL4I1	XLOC_007307	
TRIM23	LPHN2	HIST1H2BE	LOC200772	
MAPK9	MAP6	CLDN11	XLOC_005793	
AGRN	RYR2	HOXA4	RECQL4	
LOC10050603	PPAPDC1A	CCNB1	ARHGAP11A	
IL16	FGF7	RPL15	XLOC_011492	
CTC1	GJD3	CDC6	GPBAR1	
TIGIT	ITPKA	MYOCD	ARHGAP29	
SFXN1	PTRF	UST	NAV3	
PMEPA1	CTSO	SDF2L1	PLEKHO2	
DCP1A	CDC25A	SMAD9	TRIM59	
TNFRSF4	METTL2A	GPSM1	SNORD29	
PGM5	HN1L	MYL9	CASS4	
EPHA4	WFS1	FERMT1	AFF3	
ZNF215	TSPAN32	MYO7A	STARD9	
SSH1	NME1	FRAS1	KCNA5	
MDC1	LILRB5	MTA3	XLOC_002743	
ZBTB20	ZNF423	TMTC1	CENPL	
AURKB	RNF125	MAP7D3	RYR2	

KDM7A	GPR172A	EIF4EBP1	LOC100288637	
UBFD1	YOD1	MCM6	C19orf73	
CSNK1A1	NAA50	ST6GALNAC	CCL14	
RHOU	ZNF331	NME1	SLC12A8	
HSD17B1	BRCA1	SHE	PDGFB	
TMEM163	SLC27A3	CTDSPL	LOC728175	
GJA4	CEP72	TTC7B	MIR22HG	
GNL3L	LSM5	ARHGEF3	Q49AT5	
IFNLR1	GYLTL1B	FGF18	HIST1H2BO	
NEURL2	SNX1	PDK4	SLC22A18	
RPL10L	EXOC7	ATIC	SMTNL2	
MYH10	IL6ST	ATP2A2	LGALS8-AS1	
USP43	SNX22	KRT4	XLOC_007162	
MMS22L	GMFG	IER5L	GPC3	
HSD17B11	THOC4	SRPK1	TTC28	
SLC39A11	VARS	KLB	AQP11	
RTCA	MRPS33	ANKRD22	MFNG	
HSD17B3	NFIA	LOC10272488	UHRF1	
C3orf80	TUBA1C	TIGIT	CST2	
VWA1	FKBP4	NUF2	KCNIP1	
DIAPH3	GEN1	HPGD	C1orf138	
ITSN1	B4GALNT4	ACTR3	FILIP1L	
HIP1R	RGS22	TBC1D1	COL6A5	
STARD8	CDH13	SNORA11E///	XLOC_004250	
CX3CL1	TXNIP	CFD	CCNA2	
NMT1	FGF2	CSF3	PC	
SYT12	STARD9	MIR22///MIR2	RNASEH2A	
ACP5	SNHG1	ETS2	ERO1L	
EVA1B	MSH2	MESDC1	FLJ22184	
FBXW2	DDO	HLX	LPHN3	
TUBB6	ZDHHC13	LOC10798597	TRPV2	
PICK1	STOM	TSPAN3	RASGRP2	
ZNF136	GINS4	BDH2	ECE2	
FAM84B	CEP250	ADGRD1	HIST1H2AI	
ACTR5	DIO3OS	METTL8	XLOC_12_008546	
FCGR2B	FGR	FIBIN	MAGIX	
MSL3	CA5B	WISP1	ODZ2	
FRY	ARHGEF40	GMNN	ODAM	
EVI2B	FBXL7	STIL	FANCD2	

PSMA7	PCM1	ZDHHC13	LOC100508384	
SLC25A37	CPEB1	DNAJC12	HARBI1	
LGALS2	TUBB3	SPCS3	NEDD9	
PLXDC2	DCHS1	RNF139-AS1	LOC100506374	
CDHR3	PDLIM3	FAM69A	XLOC_006178	
PRRC2B	MAPK13	CLDND1	GPR152	
TTBK2	C4orf32	EPB41L5	XLOC_002066	
TBRG4	CDH3	FHL2	LOC100130248	
CAV2	ZNF438	CNTN6	SNORA72	
SOX2	ADM2	SFXN4	MDGA1	
WHSC1	KLHL7	OCIAD2	XLOC_003123	
MRPL43	STAP2	BMP2	HIST1H2AG	
C12orf43	PPARGC1A	LOC10192706	IL4I1	
MAP4	DPH2	COL13A1	SIGLEC11	
UQCC1	EVL	TCTEX1D1	SPC25	
TBC1D13	DKK3	GPD1L	SNORD60	
SH2D5	NUP155	PTTG1	FGF18	
BTG1	DEPDC1B	CTIF	AP1S2	
EPOR	KIF6	MECP2	Q6TXI9	
TUBG2	SEMA5A	DTYMK	PKP4	
PVR	EXO1	CADM1	MTMR1	
PTPN11	RNF182	KDM5B	EDN3	
GJB7	LOC399815	SCN2B	CXCL12	
C10orf2	PTGS1	TCF4	EMR1	
WDR77	SERF2	MOCS1	PSAT1	
KLRB1	LGR4	EIF3M	TPSG1	
SAE1	C9orf5	RPL13AP17	ACSS3	
GLRX2	OSR1	AKAP12	TCEA2	
GLIPR2	C1orf115	SDCCAG3	PID1	
OSTC	KCNAB1	RASAL2	C5AR1	
FMO3	RASA3	MSTO1	NEFM	
CD36	MAGEH1	CDCA2	FLJ38122	
COL15A1	CENPK	KIF4A	CHAF1B	
CIRBP	RASAL1	NFIB	ATP5E	
PDLIM7	GPC3	AIMP1	LOC84856	
S100A8	NUP133	RCCD1	JPH4	
FBXO16	RBM8A	SGCB	XLOC_010390	
FGL2	HIST1H4K	HIST1H1C	LOC645434	
PURA	SLC5A6	PRDM5	CACNA1C	

RBBP5	SLC50A1	GPR153	C6orf105	
FAM27E3	POLE2	MPZL1	HTT	
DACH1	FAM150B	HBEGF	CPAMD8	
MICB	NR3C1	GABARAPL1	ETS2	
DAW1	TRIM59	GPRIN2	SYT11	
MIR1245A	MYL9	CDCA3	CNTNAP3	
TMEM26	MARCO	SLC35F2	PKIG	
MPP7	ACTL6A	RUNX2	TMEM100	
ATF7IP	LAMA2	CKAP2	LILRA3	
FIBIN	CPAMD8	MAD2L1	XLOC_011872	
MAP3K5	THBD	DUOX1	UBE2C	
CD74	TSC22D1	TROAP	TBX4	
GEMIN5	SSPN	FNDCC1	AGPAT4-IT1	
ACE	C2orf77	E2F8	SIRPB1	
APBA3	NPDC1	LOC285147	ALDH18A1	
GFM2	LSM14B	MICALCL	XLOC_008955	
HCK	PLK4	SPNS2	ANP32E	
FZD1	ABHD6	ST6GALNAC	XLOC_007686	
ZC2HC1A	PRG4	ACE	AKNAD1	
ACTR3	C11orf63	MSTO2P///MS	KLF10	
SOD2	DSC2	CDKN3	XLOC_012863	
OLFML3	POP1	MEIS1	TPPP2	
SSPN	RGS5	EDNRA	GEMIN6	
C1QTNF5	C10orf116	MEIS2	IDAS	
IK	ADAMTSL2	NHSL1	LOC100507247	
CCL7	WDR3	CDC37L1	BCL9	
FAM222B	C6orf225	USP53	CHTF18	
IGHA1	PTGFR	XPO1	FPR2	
PLEKHA7	CBX3	KLF2	XLOC_000757	
HAUS6	AHNAK	SCD5	RGS9BP	
CDCP2	HAUS8	SLC50A1	KIF6	
POLD1	FAM83H	CAMTA1	XLOC_011753	
RANBP3	SPAG4	TSLP	LOC100506542	
FMO2	PKIG	FAT4	CTTN	
PTPN7	GMPS	FAM13C	VIP	
GCOM1	EFNA4	GALNT2	MMP23B	
NOM1	ARHGAP25	SLC9A7	ANKRD20A2	
SIPA1L2	PTRH2	MYO19	LOC100505551	
GFOD2	NOP2	MCM4	CCDC158	

PDZRN3	MF12	MAN2A2	LOC400456	
ZNF366	RBP2	CDCA5	LINC00222	
MZB1	PCDHGA8	RASGRF1	NKD2	
NT5E	RANBP3L	BDNF	LAMA2	
RUNX3	SLC14A1	FAM173B	HBD	
TARP	ADAMTS7	TBRG1	ZAK	
TLR1	AFF3	ELMOD2	LOC100506411	
MED27	B3GNT3	ZNF174	RAMP3	
RGMB	LAMP3	GIGYF2	HIST1H2BL	
LMO2	MRPL12	FLI1	NKAPL	
PAQR9	CENPI	NFATC2IP	PTCRA	
SLC8A1	HIST2H2AA4	PALD1	C8orf12	
ZEB1	ITM2A	SNORD77///S	GJB2	
SLC25A3	ESPN	EOGT	DEFA3	
MCM3	GPR162	GMPS	XLOC_12_009492	
BEND3	FAM167B	TBC1D15	MAD2L1	
KPNB1	TBX5	TPM3	SCARA3	
RDH11	TFDP2	GLIPR2	CCNF	
MON1B	MITF	RHBDL2	CRYAB	
AP2A2	WDR12	PDCD6	XLOC_000111	
P2RY13	ZYG11A	APBB2	B3GALNT1	
NIPAL3	DUS1L	PCDH17	CFTR	
SCUBE2	KIF20B	SHCBP1	XLOC_002996	
MAPKAP1	C14orf2	CDC42EP2	SSTR1	
VCL	C4orf10	S1PR2	LOC100132526	
SPDL1	CCT6A	SUGT1	LOC728178	
P4HA2	FAM199X	IGK///IGKC	REEP6	
CSNK1A1L	VWA3A	WDR12	CES1P2	
TNFSF10	TFR2	FAM30A	KNTC1	
ROBO3	SEMA6A	PBX1	DPEP2	
DAB2IP	MFNG	PREX1	HIST2H2BE	
SMTN	ZNF366	DEPDC1B	SLC1A4	
GIMAP2	GPATCH4	PLAU	C12orf66	
WDR54	HIST1H4D	LOC10537949	PEG3-AS1	
FBXL5	SASH1	ITIH3	GUCA2B	
GLIS3	SLC25A10	NKD1	LGALS�	
TNFAIP3	FAM72D	THRB	LOC100507508	
CMAHP	COL17A1	EIF4E3	DENND3	
AGPAT4-IT1	KIF26B	MCC	FAR2	

PIGL	4-Sep	STEAP1	KDEL3	
CSF2RA	TRAF4	EPRS	C19orf59	
CDC25A	PKM2	RPS15A	CNN1	
GUSBP10	C3orf64	LOC10192695	XLOC_013695	
INF2	TMPRSS4	DNAH14	KLF13	
MED24	CLEC2B	WDHD1	MIR143HG	
CBWD5	GPC5	ITPRIP	MYL1	
TFRC	C1orf168	B3GALT2	LOC100507466	
KIF20A	PPIF	CYB5A	MSX1	
TNFRSF1B	FAM13A-AS1	FAM184A	GALE	
ADRB2	HIST1H3G	HSD17B6	LINC00467	
TCF19	PPM1F	OLFML1	CDKN3	
ACSS1	MCM2	SPRY4-IT1	LOC283713	
OSBPL9	NAP1L4	JUN	GDPD1	
SCAMP1-AS1	NIPSNAP1	PKIA	TYMS	
TFF3	ANO2	F8	MCM4	
SPATA24	TRIM46	BORA	C10orf129	
STK31	TBC1D1	TLE4	PLEKHG1	
LAMP5	LSM7	FIGNL1	LOC390940	
IAH1	HDGF	SOX4	MYO7B	
EFCAB14	NFIX	PTN	FAM64A	
BCL2	RAPGEF4	ICAM4	CYP24A1	
IMPA2	ARHGAP44	CENPU	LOC100289092	
FHOD3	MMP1	TBX5	LOC285095	
TTL	KLRG1	NEXN	LOC100507173	
KIAA1324L	NAA25	ARHGAP44	LOC100131726	
SMPD4	SLC8A3	CDC20	ZEB1	
ACOT7	C9orf150	ENTPD7	MCM2	
GRB10	RXRG	IDH2	PVT1	
KIAA0040	SEL1L2	RHNO1	DHFR	
ISLR	REEP5	EFR3B	ZNF367	
TLR8	PTPRD	LAMP3	XLOC_006507	
NCK1	PKD2	PDGFRL	BST1	
PORCN	PFKP	CENPK	FRAS1	
POLH	TIMP2	NLN	LOC100130938	
FRMD3	MTA3	NCAPG2	RFC4	
MRVI1	ADCY9	HSPB6	HIST2H2AB	
HMG5	LSR	IDH3A	RHBDL2	
KDM5A	CLIC3	C1orf106	GRID1	

PLPP4	IGFL2	CASQ2	SNX1	
APOE	C14orf180	TBL1XR1	GIMAP5	
CCNB1	LOC645249	ZSCAN2	CD34	
NCAPG2	ADRA2C	PLA2G1B	ST6GALNAC6	
BCL2A1	MCM7	ANKRD13D	ZC4H2	
SGIP1	SLC25A27	LCAT	XLOC_009087	
VPS53	UFSP1	UQCC1	S100A2	
ERGIC2	FAM111B	CD59	RPL23AP32	
ACLY	FGFR1OP	JMJD6	LMOD3	
RAI1	ANKRD20A5	MAGI2-AS3	FCN1	
USB1	ZNF662	MMP1	BEST1	
SLC2A6	AP1S1	CP	F12	
FAM30A	C1orf151-NBL	CREB5	THSD4	
SLC6A15	E2F2	GAB1	P2RY14	
PLCD3	CASP3	LRCH2	GOLM1	
PRELID1	AKAP13	CCNA2	LOC100507008	
CCNB2	CSGALNACT	BEX1	FLJ42709	
HSPA6	NEDD9	RASGRP2	MRPS17	
C17orf53	ZNF468	CENPF	ANGPTL5	
HLA-DMA	COLEC12	LINC00597	TMIE	
PGAM5	CCL23	ZEB2	LINC00310	
CHCHD4	ACAP3	KLF9	LRRC20	
PTPRJ	SYNPO2L	SELP	CD300C	
PSTPIP1	SYPL2	NSUN5P1	SLC2A1	
BMS1P20	RHOB	SOCS2	ADAMTS2	
QSOX2	DNAH14	ITGA11	COL6A6	
LINC00665	XPO5	LMCD1	SYCE2	
TMC7	RNASE4	CDK1	S100A12	
FOXRED1	GPR152	NATD1	XLOC_012861	
ZNF649	BMPER	KIF20A	SLC2A3	
LOC10013186	KDELR2	TCEAL7	XLOC_012925	
DPT	HEYL	TTK	SLC38A5	
MED4	STXBP6	SPATS2L	KLF4	
SGPP2	LOC388796	C8orf58	PPFIBP1	
FILIP1L	EIF5A	PHEX	GSG2	
DOCK10	MTFR1	C10orf10	FAM189A2	
PITRM1	CENPL	CNRIP1	EPB41L5	
DNAJB12	HIST1H2BJ	FMO3	PTEN	
MYBBP1A	YTHDC1	FOLR1	ZNF677	

JAM2	MRVI1	FRMD5	PTCH1	
RGN	HECW2	LAMB2	XLOC_005311	
GNGT2	LYPD1	DGKH	LOC400950	
USP15	PHLDA2	DNALI1	IL1RAPL1	
DTYMK	LOC283075	RHOB	LINC00162	
DEPDC1	CORO2A	CRABP2	ZNF587	
CD84	C1orf186	PMS2P5	XLOC_003202	
NEK4	CTSF	BZW2	PTGER4	
ANKRD46	PAIP1	ST8SIA1	DOK2	
DYRK3	CAPS2	CPNE5	TRMT5	
STK40	TLCD1	PRELP	C1QTNF2	
IGLL5///CYA	LIMD1	GPR89B	ARHGAP28	
C12orf57	TRAP1	SNCA	XLOC_000917	
CTSB	NSUN2	TMEM132A	IL16	
GRPEL2	THSD4	GLDN	LOC100505988	
RIN1	PDZD2	EPB41L2	LOC285181	
SERPINB6	SPARC	SDCCAG8	CENPK	
FOLR2	TMEM177	MTURN	KCTD15	
CCR5	ORC1	TNFSF12-TN	XLOC_000379	
ZNF525	LOC723809	HSDL2	SRD5A1	
PKN3	HSPD1	NECTIN3	CRTAC1	
CUL4B	TMEM119	PZP	SLC27A2	
CAV1	CAT	IGLJ3	VIPR2	
JPH3	SULT1A2	ZAK	MRC1	
PROCR	SGPP2	HYAL1	AP1M2	
TMEM8B	SULF1	CCDC66	WDHD1	
ZNF335	BNIP2	CEP152	XLOC_004196	
PINX1	UHMK1	GATA6	TRIM31	
TUBGCP4	ARNTL2	CCNE2	RBP1	
SKA2	ARHGEF3	ZNF280B	VWC2	
SLC25A22	LITAF	KIF2A	STON1	
MPZL1	LIMS3L	RAB21	FAM26E	
PTPN22	PTPRH	AURKB	SH3BP2	
HIST1H2BF	RRM1	PRC1	FBXO22-AS1	
P2RX7	SKA3	SCAMP1	ECM2	
CDC42EP1	MTBP	SLC17A9	GOLGA7B	
ACTN3	LOC10050571	ARHGAP18	SLC2A4	
POC1A	RAB26	DAAM2	HIST1H1B	
CTSS	LAGE3	HBG2///HBG1	SLC16A11	

LURAP1	HOXA2	SNHG1///SNO	SOCS2	
ADRA1B	SRPX	NAALAD2	FZD10	
ACTR8	FIGNL1	PROS1	NEIL3	
KCNN4	HIST1H4J	LOC10028891	SERPING1	
DDX3Y	INCA1	LTC4S	F2RL1	
TBP	TPI1P2	MATR3	KRT80	
SLC2A5	KCNJ12	HS2ST1	TMEM200C	
AIM2	HMGA1	TMEM64	CDH15	
LAT2	CBFA2T2	NDC80	DNASE1L3	
PRDM9	ANG	ITM2C	MYL5	
RAB14	LOC145820	BMX	FGR	
CD300LF	ALDOA	STARD4	KIF23	
TACC3	RP11-165H20.	SAMD4A	ATAD2	
RDH5	PHACTR4	CCDC34	TMEM150B	
SASH3	C20orf20	SGIP1	XLOC_011430	
SPX	MAST1	GSDMB	XLOC_008855	
CAMK2D	ANXA6	TK1	PLSCR2	
ZNF646	KRT222	BIRC5	HMGCLL1	
OLFM1	DRAM1	NOX4	XLOC_011178	
AP2S1	P2RX7	OSBPL3	LCN6	
PIDD1	SYNPO2	ITPR1	METTTL21C	
C4orf3	IFT57	RAB8B	XLOC_12_013873	
BTK	RNF122	A2M	NOTCH1	
TAF6	LCAT	TIGD1	LOC100506913	
TUBA3C	ZNF485	LOC10272505	UNC80	
RAPGEF6	C12orf11	JPH2	MMACHC	
ERCC4	C10orf107	ANXA8L1///A	XLOC_001338	
GPC5	ATL3	RFX2	AURKAPS1	
LOC10028889	PIF1	PLEK2	LTBP2	
NPNT	PROS1	PRR11	FAM19A2	
B3GNT9	WNT2	C1QTNF6	OXGR1	
BCL2L1	GPR124	MCAM	FAM54A	
PPM1E	GPER	FANCD2	UPB1	
SRGAP2D///S	RNF2	LOC729966///	RALGPS2	
TRIM25	NCAPH2	HS6ST2	XLOC_12_000399	
ASCL2	GATA6	LINC00673///	LOC100506343	
CLEC4E	H3F3B	TMPRSS4	LOC100652988	
NR4A3	RTKN	GFPT1	BCL6B	
FPR3	CYP3A7	MXRA5	AR	

TNFSF13B	CPSF3	FAM101B	SOX5	
RAB29	PCGF5	PKMYT1	KIAA0040	
HACL1	MMRN2	FADS3	CCDC85A	
FOXN3	TAF1A	SAMD5	XLOC_003234	
IDO1	SLC19A3	CTNNA1	SNRK	
GHSR	CSH1	TTC9C	TGM2	
PTN	NES	MYO10	HOXA6	
LYPLA2	VIM	ETV1	MXRA7	
PLEKHO1	FAM64A	SLC27A3	PRC1	
PCGF3	NET1	ARAP2	KLHDC7B	
ACSF3	SYNM	PLCL1	ARMCX3-AS1	
LAMA5	DIAPH3	ADIPOR2	EPB42	
EPHA2	TYRP1	ZBTB46	GRTP1	
DACT1	STRA6	H2AFX	ADAMTS8	
CLEC1A	GPRIN2	DHFR	KLHDC9	
IRF4	PPP1R12B	LINC01355	ORC1	
MSC	SLC25A39	KDR	PLEK2	
THSD1	OVOL1	IL17RA	ZFP64	
NUP62	LOC285758	C12orf49	PF4	
EEF1DP4	CNTFR	FEN1	MEOX2	
SHROOM3	FBXL6	SNRNP25	CCDC99	
CETN4P	IPO7	RAVER2	SOX13	
SLC38A5	KRT19P2	FGF14-AS2	CP	
VIMP	C8B	SCARF1	PSMG3	
BEX5	ADPRH	EFEMP1	RCCD1	
EIF4G2	TOP1MT	ATP6V0A2	CAMK2N1	
COL6A6	CCDC92	MLEC	XLOC_12_001605	
ZNF274	RGS11	UBE3C	CD244	
PRR13	LOC10013272	C10orf25	LOC100132774	
LOC399815	MSH5	CKAP2///IGL	PCDH12	
GPR160	ZNF217	DHTKD1	HIST1H2BN	
ELOVL4	GRHL2	LNP1	EFNA4	
SLC46A1	CALHM2	ITCH	MPRIP	
GBP4	UBE2S	PGAP1	CKS2	
CD2AP	FOXO1	PDE2A	ELMO1	
PHLDB1	C2orf82	FGFR2	ZHX1-C8ORF76	
ELMO2	WDR62	ALG3	ISCA2	
SLAMF7	ENPEP	UPK3B	PSMD9	
TBCA	GGTLC1	LOC642846///	FBP2	

EYA4	NETO1	LOC10050672	STIM2	
ADGRV1	PRKG1	FOXM1	C17orf58	
IFNGR1	LOC10013093	NKD2	FAM83A	
ALOX5	AHCTF1	P2RY14	LINC00263	
FANCI	ANGPTL5	CCL23	INTS8	
SPATA3	ARMCX1	MOB3C	VIPR1	
AXIN2	UNC45B	GCNT3	HIST2H4B	
CPED1	DNM3	COBLL1	LOC100505760	
PSTK	ZAK	10-Sep	FAM46B	
EXOSC2	FMO3	AMIGO1	SLC12A4	
CRISPLD2	MAP1LC3C	BMP6	FOXM1	
RRP12	GATC	RGS9	ALPP	
NFATC1	FAM83A	CREBBP	LOC100506660	
TUBGCP5	TMEM79	CENPM	AFAP1L1	
RPS10P7	DDR2	HJURP	LOC100507025	
ARHGEF6	SIX1	P3H2	TMEM182	
JMJD6	FRAS1	C20orf194	LOC339894	
TAX1BP1	DAAM2	GATA6-AS1	C8orf51	
BBS7	ABCA12	TMEM35A	ARHGEF26	
SLC30A6	PPAP2C	MCM3AP-AS	XLOC_005816	
CEACAM6	S1PR2	MRPS33	XLOC_000822	
CRHR2	MS4A2	CCNE1	XLOC_010998	
GRAP2	MRPL44	LOC10193040	CENPN	
GPR65	CCDC137	CERS6	HIST1H3B	
EGFLAM	PRICKLE2	DMD	LINC00341	
HMMR	RNF112	ZNF692	EMP2	
CEMIP	FLVCR1	LRRC2	GATA5	
TUBB4B	GPRASP1	HIST2H2BE	XLOC_12_001011	
ZBED4	CTNNAL1	CARD16///CA	SOSTDC1	
ACAT2	PAX9	B4GALT4	GAB1	
ARSI	DONSON	C11orf21	PEX2	
TDRKH	TNRC6C	HNRNPD	TTC9B	
FDFT1	TMEM106C	KLF10	SETBP1	
PPM1G	COL6A5	KIF15	KLC3	
RARB	PTTG3P	DNAJB4	PKMYT1	
IPPK	KLF13	TMED3	FRMD4A	
PDE4B	MRM1	PID1	DDX11	
SUGP2	ENO1	SCGB1A1	NEO1	
CNOT10	SNRPD1	SCARA3	XLOC_002040	

CSTB	POLR2H	KLHL29	CASQ2	
ELP3	PRX	C4orf48	LRRC8C	
CIT	TUBG1	HPCAL1	KCNA4	
HLF	SH3GLB1	NIPAL3	HK3	
SLC24A3	SNCB	C8orf88	MUC16	
TOB1-AS1	ATP5J2	FANCA	C10orf105	
ANXA2P1	PTGER4	LRRC15	XLOC_002652	
PPM1J	EIF3B	PPBP	PLEKHH2	
CARD9	LOC10013109	LOC10192726	CYP2U1	
TLR6	ZNF781	KIAA1211L	C14orf33	
THAP10	ABCC9	ACAD10	RPL39L	
CLCN6	GOT1	GUCY1A3	MMP9	
NAT6	ZNF107	RAB14	HBB	
DENND2A	KCNK17	FAM83A	MYO15B	
LDB2	CASC2	FAXDC2	HIST1H2BG	
LOC10012678	SLC35A1	SPTAN1	NDN	
DDIT4	IGSF9	LOC10050699	OR2B6	
KPTN	PGCP	ARMCX4	HPSE2	
CCL5	ELTD1	AKAP13	MARVELD3	
SIGLEC7	PDK4	PLK4	XLOC_12_014821	
PCDHB11	CKAP2	ABCG2	AURKA	
MBNL3	KCNK12	S1PR5	SNORD79	
COQ10B	SLC39A4	IGHM///IGHG	PFKFB1	
DOK6	BNIP3	COBL	PRKG1	
FREM1	MYL3	DYNC2H1	NAALAD2	
MED7	ZNF643	EHD1	C10orf116	
KLHL3	SCARB2	SPAG5	XLOC_005665	
WFIKKN2	ENO2	IL33	HDHD3	
C20orf197	HCFC2	IGHV3-23///IG	PPAT	
SLC46A3	LOC10013277	PCDHGA1///P	C9orf40	
TCAF1	ICAM2	LINC01140	AQP1	
ZNF37BP	RPS6KA2	SEC14L1	WASF3	
CCR7	ZBTB4	BVES	SLC39A11	
COPS7B	LRRC4C	SPOCK1	FANCF	
PRKRIP1	HLA-E	LOC285043	ABCB1	
RAD54L2	FAM125B	UBE2I	C16orf88	
GAS7	CARD6	HSPB2	IQSEC3	
RHOH	TMX4	HHIP	PDK4	
SCAF4	HPDL	ENAH	NDRG4	

CAPN8	CD81	LINC01138	XLOC_009363	
FBLN2	HIST1H2AH	RASSF2	ANKRD12	
CD8A	WHSC1	POLQ	PLCD3	
RHOBTB3	CD93	BIK	LOC100289488	
DUS2	CSE1L	METTL7B	DPP6	
FUZ	TAF1D	BOLA2B///B	CALCRL	
SLC26A6	CYP27B1	TPR	LOC283392	
LRP5L	PLA1A	FLT1	DLL1	
C10orf88	CERS6	H2AFJ	XLOC_12_004540	
PAPOLG	PPFIBP1	N4BP1	XLOC_008768	
GTF3C1	TSPAN4	BACH2	FAM171A1	
CAST	C1orf162	LGR4	TACC3	
HIST1H2BE	IL11RA	ADHFE1	XLOC_12_015764	
5-Mar	GGTA1P	ERV3-1	C4orf10	
SPRED2	ATIC	KLHL41	RAD51AP1	
FAM204A	LMBRD1	CX3CR1	FYN	
PLCG1	SNX8	TMOD3	XLOC_001242	
FXR2	RAD18	HSH2D	C11orf86	
DNMT1	GAB3	PIK3R1	XLOC_12_004385	
ZNF439	PDLIM2	TSPAN5	RAD51	
CLEC11A	LAMB2	ZBTB16	XLOC_010730	
HLA-DMB	MME	TLR3	FAM161A	
DEPDC4	DSG2	CCDC69	XLOC_12_004381	
RHOJ	TNFAIP8L3	IGHV4-31///IG	CDCA3	
NAA40	NCAPD2	SAC3D1	EYA4	
SPAG1	OR5L2	POLE2	FLJ41455	
HIST2H2AA4	C6orf174	RTN1	PTPRS	
TBL3	AATK	TMEM177	XLOC_005777	
INCENP	PPP1R32	KIAA0907	LOC100506379	
DDX31	H2AFX	EGLN3	LOC344595	
RARA-AS1	RHBDL2	BCAP29	XLOC_12_000791	
HIST1H2BL	FAM198A	IGHV4-31///IG	SFXN4	
SDHA	COL10A1	HEATR3	C15orf42	
RFESD	LOC10028891	PTK2	DEPDC4	
SEPT7P2	BET1	B3GNT3	ARSF	
ORAI1	SAP30L	CDH3	ARSI	
SLC25A23	TMIE	MINOS1	SLC27A6	
MAST2	FERMT1	KCNAB1	ANKRD56	
TMEM19	LOC10050624	CAD	PRR11	

RUVBL2	C9orf41	LOC10029321	MIR100HG	
MGAT4B	ABCA3	ATP11B	FLJ12825	
TRIB2	B4GALT2	APOL3	GRHL3	
MIGA1	SLCO2B1	EXT1	MSH5	
ANKRD11	C19orf59	FGF14	GATA6	
ZNF628	SH3BP5	GPR4	ZCCHC24	
ABCA5	SLC9A7	AK1	CCDC141	
LOC440570	TRIM71	FGR	DECR2	
CLEC7A	LINC00152	IGHV3-23///IG	XLOC_004177	
ZDHHC7	CA3	XPR1	FAT4	
REEP2	ITM2B	SMURF2	FLJ45684	
PDLIM3	SLC6A16	IGHV3-23///IG	LOC338653	
KLHL5	MAGOHB	COX7B	RSU1	
COL24A1	SFTPC	C1orf168	ESRP1	
TPD52L2	LOC10050707	UQCRC2	LOC100130275	
POU2F1	SFTPD	FAM98A	SPON1	
APOLD1	ITGA7	ALDH1A1	C10orf112	
PML	DNAJC9	TACC3	PRRG3	
TGFBI	PRDM16	ESYT3	OLFML2A	
HNMT	ZHX1-C8ORF	RNF180	SLC26A10	
CBFA2T3	TNIK	PIN4	ABCA12	
DHX33	LDHA	ADCY9	COPG2IT1	
TFAM	EDN1	AQP4	XLOC_006753	
PAQR4	KCNB1	SERTAD1	LIFR	
CCDC3	AK1	CNN1	C8orf60	
DFFA	PUS7	FBLN1	LOC100289038	
ZNF292	FOXF2	FUT2	LOC100505666	
RTN4IP1	HPRT1	RPGR	C2CD4A	
UIMC1	CSTF2	SLC35F6///CE	HMBOX1	
MKRN2	BTN3A1	IGHM	SLITRK2	
GRAP	SLC9A3R2	ACAA2	LINC00511	
TBC1D12	FLAD1	NPM1	ANKRD20A9P	
RASD1	MMP9	CEP295	RSPO4	
FAF2	P2RY12	IL3RA	PCDH9	
MMP11	KIAA1217	RORA	LOC401093	
NLRP2B	DPYSL2	ZC3H8	RND3	
LRRC8C	SFTPA1	ARNTL2	RCAN1	
HBA2	C20orf24	SLCO3A1	C1orf162	
PIH1D1	CCBE1	IGLJ3///CKAP	LRPAP1	

ARPP19	GALC	TRPV2	KCNT2	
EIF1AY	UBFD1	FAM24B	NCAPG2	
BCR	DHRS12	GPT2	FOXO1	
CHN1	NUP50	IKBKE	ZNF774	
CLK3	GMDS	FKBP1B	WIF1	
MYCT1	URB1	ZFPM2	NLRP3	
XYLT1	C1orf21	CYP27B1	KRT86	
PTGES	B3GNT4	XDH	ELTD1	
LRRN3	ABHD11	CCDC167	TPPP3	
HOXA1	FAM124B	DEPDC1	CCDC103	
LOC653581	KRTCAP3	PEBP4	LOC728543	
COMMD3	MXD4	TNIP1	MST1R	
TNFRSF10B	MIOX	SHC3	ADH1A	
PSME3	MCCC2	EIF3F	CKAP2	
TMEM33	GRID1	CD34	LOC100506289	
PPARGC1B	MYOCD	ADAM33	XLOC_005174	
SMIM7	IARS	RBM12B	BDH1	
POP7	ADRA1B	MLIP	MTFR1	
PAX8-AS1	CENPW	LEFTY1///LE	SLC50A1	
ANXA2R	EFEMP1	ICAM1	CDKN2B-AS	
AGBL5	LGALS8	HN1L	CRB3	
CPA3	KBTBD11	MFNG	EEPDI	
HMGA1	S100A2	VPS13D	LOXHD1	
C17orf98	CLEC14A	GNAS	XLOC_002326	
CAMK2B	ETS2	ITGA10	LOC440335	
PQLC3	C9orf142	HDAC4	PIP5K1B	
MRPS10	ZFP36	DENND2C	RAPGEF3	
FCGRT	CTDSPL	SRSF11	ABLIM2	
HDGFRP2	PTPRN2	NDC1	C12orf48	
SLC16A3	RFTN1	EPN2-IT1///E	SIK2	
EIF2S2	CAND2	BAIAP2	SESTD1	
ADGRE2	LRRC4B	CXCL2	ABCC9	
TOMM40L	TOMM22	HGF	XLOC_001826	
KRT80	CCT3	TNFRSF21	BRCC3	
WIPF1	RBM43	CSF1	LOC100506012	
DHX30	LINC00261	CERCAM	WDR34	
THEMIS2	LOC10050588	CYP2U1	TSPAN2	
IP6K2	LIN9	BICDL1	LOC100289455	
MED6	FAM83G	THY1	CSTF2	

DDX27	LRRK2	LINC00702	CYP2J2	
CCR2	PHLDB1	FIP1L1	STX1A	
C1orf198	MMP12	KIAA1324L	XLOC_011213	
CIITA	SH3GL3	SHROOM2	C1orf56	
ACOT9	SPTAN1	MXRA7	ZNF692	
ADAMTS13	STYK1	ZNF239	PURG	
SCD	RANBP1	ZWILCH	NUP62CL	
WDR41	CECR5	AIM2	SULF1	
TRIM14	MSR1	KIAA1683	LCAT	
PCDH18	NDN	CASP2	XLOC_005811	
RARRES1	LOC10012889	PIM2	LHX6	
LOC10193037	N4BP2L1	DUBR	NMU	
LY86	DUS4L	PGC	EDNRA	
TRAF3IP2	SOX7	LOC284926	DYSF	
CRACR2A	OR8B8	ABCC3	IL1RL1	
SLN	SFTPA2	SYNC	SYT15	
UBXN4	RAD54B	IGKV1OR2-1	XLOC_004685	
PDHA1	FAM207A	BRI3BP	MAP6	
PAQR7	SETBP1	GFER	RACGAP1P	
HSD17B13	CD97	THRIL///BRI3	ACADL	
SEC13	HBM	PARD6B	LAYN	
GCKR	URB2	SUV39H2	SAP18	
CACNG8	CKS2	ENY2	LINC00115	
CDKN1C	EPB41L4A	WNK1	FREM1	
PPP4R4	PDCD6IP	MAOA	HIST3H2A	
PODN	CALCOCO2	IGLV1-44	ALG1L	
GAB2	ACSM5	KLRF1	RGAG4	
ZNF750	MRPS12	LTBP2	ADARB2	
PDXDC2P	AHNAK2	DCC	XLOC_009320	
TMEM30B	KREMEN2	NHSL2	PAICS	
IGF2BP1	KIAA1024	LINC00847	LOC100506136	
C22orf23	ZFP36L2	EYA4	CAMP	
KIAA0368	LPPR4	ECM2	GABARAPL1	
LIG1	TCF4	THRAP3	LRRC61	
RRP1B	CDKN2A	OLFML2A	LRRC2	
TUBA1C	MEF2D	NDUFAF4	E2F5	
ZBTB8OS	GALNTL4	ESPL1	HIST1H2AL	
TOR3A	FLYWCH1	CDH13	ARHGAP44	
MSH3	ZBTB20	CA3	GIN51	

CLEC4A	CFP	CACNA2D2	C9orf153	
DONSON	RAB8B	ZCCHC24	DARS2	
NDC1	KLF6	FSTL1	XLOC_005575	
HCST	LIPA	PDZRN3	XLOC_011797	
LRRC42	JUND	CNTN4	MGC27382	
TANGO6	TTC39C	NIPSNAP1	SRCIN1	
TMEM107	PURG	U2SURP	MSI2	
LINC00313	SEMA3B	TIMP1	HLX	
SMURF1	NDRG2	ITPKB	CENPW	
GUK1	PPP1R3C	PHKA1	UNC5CL	
SH3TC1	DHFR	RAPGEF3	XLOC_004677	
LOC646626	CDH1	ABHD5	HYAL1	
LY96	CYP24A1	CHI3L2	HIST1H3H	
ZNFX1	HLTF	RAD51	ICAM4	
REXO4	NXF2	EBF1	ALPK2	
MAVS	MSH6	LRRN4	C1orf126	
SLC7A6OS	TNFRSF18	ADAMTS1	KLF11	
CELF2	TMOD1	RCN3	CYGB	
ABCA1	CDH6	LOC10192837	PNPLA6	
SRPX	AGTR2	SGO2	NPY5R	
SLCO3A1	OSCP1	NR3C2	CCRL2	
HSPA4	GPR4	DNM3	SNORD77	
LRRC20	ACTA2	PHLDB2	NHSL1	
TMEM129	OCIAD2	NFE2L3	MAP7D3	
FAM198B	SORT1	DEFA1B///DE	ALAS2	
FBXO41	AKAP2	ZMYM2	PKHD1L1	
RAB43	CPA3	FA2H	FAM199X	
PTP4A3	CLEC10A	NPC1	ASXL3	
PRRX1	PCDH10	ADGRF5	GIMAP6	
SYNE1	FGD3	SLC1A4	GNG11	
LIMS2	LETM1	ELAVL1	FLI1	
RAB42	FOSB	ATL3	FAAH2	
FDPS	MARK2	DNAJC3	CNFN	
CCDC86	WDR43	IL7R	TMEM194B	
CAMK4	NPY1R	S100A10	LIMS3L	
INVS	LAMC3	FYN	LOC643085	
DAB2	TBC1D7	PSMG3	ACVRL1	
RGCC	UBE2H	GAS6	SNTG2	
TRIB1	CHAC2	TMPO	XLOC_012139	

SYNGR2	FAM203A	IGK	XLOC_001952	
TEK	CABYR	FBXL7	SPAG5-AS1	
GOT1	GPR19	PPARGC1B	H1F0	
NUDT12	IFFO1	MIR6756///M	DNA2	
ZFP36	RFC4	CPAMD8	XLOC_007354	
RGL4	CDC7	IGKC	PRSS54	
PALLD	ATAD3C	LINC00467	LOC440356	
FRMD4A	IL33	ST6GALNAC	SYNGR1	
LINC00886	LRRN4CL	SRPX2	LOC100506006	
CLEC5A	ILF2	CYP24A1	CENPO	
CCNA2	MCM8	GAPDHP62///	XLOC_012301	
DKFZp547J22	TRMT5	ARHGEF17	ARHGEF25	
FANCA	EDA	PUS7	CLIC4	
SUSD5	ZCCHC24	KLK10	NARF	
INSR	TRIM11	TAPT1	ABCB4	
CLMN	PDGFB	HACD4	XLOC_012908	
C10orf82	ZFP64	ADAMDEC1	C10orf140	
CCNF	PPAPDC3	HN1	ZNF217	
CXorf21	PER1	SHROOM3	TNNT3	
TNFRSF17	RBAK	FGFR1OP	PPARGC1B	
NTRK2	GREM2	ANP32E	XLOC_011929	
ZNF831	ACR	IGHM///IGHG	LPPR4	
SS18L1	SULT1A4	LOC10099674	ZNF833P	
FHL2	CYR61	RCAN1	C1orf74	
UBD	NXF5	SLC25A3	OXSM	
EFCC1	C21orf2	GADD45B	DPYSL2	
CLEC4D	KBTBD10	TRIM2	PAMR1	
KLC1	PLN	TMEM2	GIPC2	
LGALS9C	NTN4	AR	ALDH1A1	
ICE2	OSCAR	SCNN1G	XLOC_008133	
ZCCHC11	MYLK3	ATAD2	XLOC_l2_004817	
RIC1	KRT16P2	HM13	LOC283547	
EPHB3	BAMBI	GSPT1	HIST1H4D	
PTGDS	UCHL3	NSUN5P2///N	PTPRM	
MRPS2	SLC6A8	LOC10272542	XLOC_000697	
TRUB1	LINC00472	RRAD	NAT8B	
ZFYVE27	C8orf84	WBSCR17	FIGF	
PSKH1	ARHGAP11A	C15orf48	IDE	
UBE2E2	KLF4	PAIP1	MYH11	

ALS2CL	SIX4	RGS17	TLR4	
RP1L1	FOLR2	MIR6787///SL	MMP13	
DPF3	ACOT11	NR2F1	MTFP1	
LAG3	RRAD	XPO5	FGF14	
RNF214	AMICA1	PARD3	HIST1H4I	
MCFD2	PXMP4	E2F7	XLOC_002132	
PGBD1	VIPR1	BTG1	C6orf112	
RCSD1	TTF2	SLCO5A1	LSAMP	
UHRF1	ACSM2B	PBK	C1QTNF5	
FITM2	BK250D10.8	LOC10029321	SH2D4B	
IER5	NACC1	IGKV1OR2-1	LILRA6	
PLA2G12A	HIST1H2BE	HSPB7	CSRNP1	
PSMC3IP	LMNB2	GIPC2	XLOC_000388	
CACNA2D3	SF3B3	NAP1L5	NLN	
WNT5A	C10orf54	VMP1	CENPI	
ZNF575	LOC10028722	PPID	C4orf48	
NOVA1	MMP13	KNSTRN	CEACAM1	
RNF166	ZNF25	LOC10050669	NAT8L	
LINC-PINT	SDC1	INMT-FAM18	PEG3	
BCS1L	RPP40	SOX6	PNMAL2	
FLVCR2	USHBP1	NBEAL1	FAM40B	
E2F1	E2F7	HEY2	TBC1D1	
KLF11	ZC3H12B	DDX11	L2HGDH	
THOP1	TUBA4A	MYBL2	FZD4	
CXCL14	C15orf48	CRIP2	ZDHHC14	
CD1D	HEATR7A	POU2AF1	C8orf38	
LINC00167	RNF130	JMY	SDC2	
PTGIR	HSPA2	KIAA1524	VSTM2L	
IRX1	SLC12A4	DEPTOR	CENPH	
CDK2	CFH	MSMO1	RBL1	
ABCA6	RSPH4A	GIN54	LOC100509635	
ZNF280D	DLC1	TMEM246	DBNDD1	
KIDINS220	PRR7	MVB12B	XLOC_014418	
ADGRG6	RBPM5	LOC10027221	SNORA57	
GART	MYH2	GALE	HIST1H2AE	
TTC7A	SLC8A1	MYOM2	C8orf45	
TCEANC2	RIMS4	C1orf112	XLOC_013194	
LAT	SPNS2	COL4A3	PTPN14	
TUSC3	DHRS13	DNA2	E2F2	

TBC1D8	CTHRC1	LHFPL3-AS2	VAPA	
HJURP	NME2	EFNB2	EPT1	
IDH3B	CD3EAP	GIMAP7	PITX1	
FKBP5	MACROD2	CENPE	CHRM1	
L3MBTL4	C15orf23	HDC	FSTL3	
ZER1	ZFP2	SLC2A12	XLOC_013728	
BCKDHB	FAM72A	CPPED1	DNAH2	
ITIH5	CX3CR1	P2RY6	SFXN1	
GRIK2	NOC2L	TNR	STMN2	
PPP1R26	SERINC1	TMTC4	PAX9	
IL1RL1	WDFY3-AS2	ATP10A	XLOC_011482	
NUBPL	GABARAPL1	UROS	MS4A15	
ITGB3BP	APCDD1	CYP3A5	CES1	
STK4-AS1	HLF	MGAM	IRX5	
C4orf32	KRTAP19-8	SETBP1	NCALD	
GNLY	FAM91A1	TWIST1	XLOC_012162	
LOC10013200	HIST2H3D	MYO15B	PPAPDC1B	
MYO1B	P2RX1	SRM	GRIA1	
XIST	INF2	NR2F2///NR2	C20orf194	
RNF114	SRD5A1	MIR21///VMP	FAM101B	
BAZ2B	LOC284950	N4BP2L1	JPH2	
CHRD	SORBS1	PTGES	XLOC_008875	
RNPEP	IGFBP7	CD79A	XLOC_12_008434	
PLN	FANCG	LINC00665	P2RX1	
HPGDS	ATP6V1C2	HOXC4	XLOC_12_010064	
PTPRT	EEF2K	PRAM1	RAG1	
EVL	SLC6A10P	ATAD5	CETP	
LTK	C16orf86	RBM15	PABPC4L	
CD70	C17orf53	NDNF	COL13A1	
NSUN5P2	MYH11	DPEP2	TM6SF1	
SLAMF1	DUOX1	NFATC1	CRIM1	
C6orf89	PABPC5	PLCB4	ELMO3	
IGHV3-48///IG	FEN1	MMP9	HMCN1	
PHF20	IQSEC3	PCGF3	CCDC102B	
KLRD1	ARMC10	PLA2G4C	PRRG1	
TMEM102	SCARNA17	LOC729970	PKDCC	
SDS	UGT2B4	FBXO16	KIR2DL2	
RACGAP1	C10orf12	SPATA6	CDK14	
FGFR2	HSPB6	P4HA3	PCDHB4	

FMO5	C11orf96	CDT1	CRIP2	
ZNF367	TTN	CXCR2	CDH6	
ANKRD28	BTK	PPARGC1A	ROR1	
NLRP3	PLOD2	BARD1	FAM124A	
FAM46C	ZNF608	SOBP	MYH10	
PDDC1	CLPB	LOC10272552	LOC100134365	
TOP3A	C5orf34	SHANK2	NPNT	
ARFGAP1	JUN	CALHM2	LOC100506585	
LINC01192	EIF4E3	DNMT3B	PTTG1	
CCDC85C	SPEF2	OLFM1	XLOC_001539	
PRKAR1A	C2orf73	NEDD4	MACF1	
DACT3	C5orf49	RUFY2	GPR124	
ABCD4	S100A4	BRCA2	XLOC_009065	
CCL14	DSCR9	ECT2	XLOC_007654	
TNFAIP8L3	LGALSL	HIF3A	PTTG2	
FBXO22	COL14A1	RUNX1T1	HEXIM2	
MTRF1L	TMEM139	CREB3L2	STAP2	
SALL2	TOPBP1	SPINK1	IGSF9	
PRR7	SEMA3G	CLASP1	ADAMDEC1	
RGS17	FOXA2	TBXA2R	CCDC69	
C3orf62	NEK3	MS4A2	PRG4	
PTK2B	NFYA	DUOXA1	XLOC_008001	
SYNDIG1	RDM1	PTPRD	MASP2	
CEP41	KCTD16	STX1A	ARHGAP5	
RBMS3	PSAT1	NTN4	CSPG4	
OSR1	SLC7A5	SCEL	C6orf125	
TAGAP	RFWD3	C1GALT1	COL22A1	
IGHM	FAM65A	UNC5CL	LOC286058	
RIMKLB	PRSS30P	ATG7	TNFRSF10D	
SEPHS1	SLC15A3	MOB3B	PTTG3P	
LOC643454	GPBAR1	IGLJ3///CKAP	GALNT7	
PIGT	MCM5	PHF19	CRTAP	
CAD	EPPK1	PTGER4	NAALADL1	
CCDC93	NIPAL1	SNORA21	KLHDC8A	
ASIC1	ONECUT2	HIST3H2A	ZNF541	
GNPDA2	TSPAN18	ZBTB20	CALCOCO1	
LAMA2	CHTF18	LOC10193040	XLOC_003406	
SIDT1	C5AR1	ABLIM1	C11orf80	
MEF2C	MYOM1	ACSS3	HOOK1	

ALOX5AP	C6orf115	QSER1	LILRA1	
EFL1	PIP5K1B	SOX12	CYP3A5	
LINC00094	DDAH2	IL2RA	RHOV	
CYP2U1	SIGLEC8	MAST4	XLOC_12_015239	
ENKD1	ARHGAP32	LOC10192705	XLOC_004644	
LBH	JDP2	LOC10192794	GJD3	
CHRD2	HIST1H2AK	H2BFS	RUNDC3B	
SOX5	RHOV	SSBP1	MMP12	
NLRC3	FLJ45872	HGS	MAP3K8	
LOC10192755	LOC646324	KAT2B	XLOC_002049	
PPP2R2A	HIST1H4A	RETN	NOXA1	
NUP58	PUS1	TUB	LAMA4	
MAP3K8	PRIM2	CREBRF	TUBB8	
PPP2R5A	LOC283392	GYPC	SORD	
GMPPB	CDHR3	EPHB2	COL4A5	
TRIM6	DDT	SEZ6L2	PCDH11Y	
PLEKHA8	MCTS1	SNX5	LOC100507584	
PPIEL	COL21A1	FLJ35934	FGFR4	
EIF3C	EDARADD	DPT	C12orf49	
UBE3D	PDZRN4	DNMT3A	ALG3	
LAMA3	CARD14	ADAMTS12	PCSK4	
TMEM38A	ADRA1D	C8orf60	Q6LRY1	
ERC1	DAPK2	SNORA72	C6orf147	
TGFA	MRAS	PPIL1	CELA3A	
KCNJ12	MNX1	PLK3	XLOC_008000	
PEX3	TIMM50	CHEK2	ITGA5	
RPS15A	LIFR	PDE3B	TMEM132C	
CPQ	ITPRIP	FAM3C	REEP1	
LY9	PAICS	CSRP2	XLOC_002616	
PDP2	SOCS2	FLAD1	Q9B8G3	
LRR1	RBP4	RIMS3	KIF20B	
CCL19	DNASE2B	SLC41A2	ZMYND19	
TMEM110	OPTN	FAM49A	REP15	
MCOLN2	RCSD1	RBPMS	SH3GL2	
CFAP97	RNMT	HSPA2	S100A4	
SDC2	SLC2A5	TUBB6	MYBL2	
PSMB10	ZNF530	CDK16	CYBRD1	
PKI55	TIPIN	ARID5A	NFASC	
FAM27E2	KRT19	COA1	TRPV1	

LINC01140	MRC2	CRIP1	PPARG	
POLA2	TSC22D3	CBX3	GYLTL1B	
WSB1	SH3GL2	IGHV4-31///IG	FAM122B	
DOCK8	MAOA	VAR5	SNORD22	
PCAT7	B3GNT1	HEXIM2	CLDN18	
MOCS1	ABTB1	BAALC	ATAD5	
EIF4A2	MEOX2	CKAP2///IGL	SHROOM4	
LOC10537936	ALDOC	MZB1	MCCC2	
SYK	XDH	ARHGAP23	GPR161	
ZNF451	PSMD14	LOC10193040	CCBE1	
PTPRZ1	PRSS35	CRTAC1	DLL4	
LOC10272476	KIAA1324L	PNPLA6	NEDD4L	
PARVA	SPON1	LMNA	MTA3	
VAC14	CHRNA5	AOX1	DACT3	
DFNA5	UBE3C	BMF	HIST1H2AC	
FRZB	SERPINB6	EEF1A1	LOC100509553	
FCRL2	DSCC1	CENPL	LOC339524	
FBLN5	FAM165B	ZFP36	ENPP2	
LRWD1	TFAP4	S100A4	SLC4A1	
SCRN1	C20orf26	FSTL3	OGN	
SNAI2	TMEM130	RACGAP1	LRFN5	
FAM208A	BRCC3	OSR1	ACTG2	
APIP	SLC9A9	ANKRD20A1	HBG1	
KIAA1671	YWHAZ	PHTF2	CBX7	
ACTR1A	KRT27	KIF23	XLOC_014219	
ARHGAP10	RPL23AP32	MT1E	LRP4	
EMC8	NRG3	PIK3CB	FAM24B	
NTMT1	KIF26A	ARMCX1	C1orf172	
HBA1	BOLA3	ZBP1	SLCO1A2	
NOTCH4	RAD51AP1	LOC10065305	VANGL2	
TTPAL	TTC16	BEND7	FKBP1B	
TTC17	PRICKLE1	CDCA8	LOC100506573	
GPALPP1	ALDH2	LRRFIP2	XLOC_012515	
ATP10A	ARMC2	BHLHA15	DUSP27	
MYO1G	TFAP2A	DACT3	FLJ11235	
PAX8	C20orf194	PDCD2	CT45A1	
IRAK4	VRK1	FCN1	EPHB2	
HPSE	HMCN1	ENC1	RPS20	
CCR6	FAM162A	ALDH3B1	LOC100509621	

ZNF510	NPR3	HIP1	LOC100128252	
LINC01197	SELENBP1	SARS2	ENTPD8	
FBLN1	SBNO1	PAK1	APBB1	
HLA3	WDR4	FDCSP	EFEMP2	
ZNF165	DDX11	FUT3	LOC100130111	
FANCC	NR0B2	PLD1	PITPNM2	
PNPLA6	ENG	GJA4	AQP6	
GBP5	FLJ41455	METTL7A	FGF12	
IL32	LPGAT1	FAM162A	NPM3	
CXorf36	BCL2L11	PCMTD2	ADAMTSL2	
RFX5	CACNA1E	PRDM6	CDSN	
HIST3H2A	PYGM	FBXL20	SH2D3A	
GSS	CD33	TRAPPC10	AOX1	
ADGRL2	DDX31	FOSB	FBXO32	
SIGLEC5	PMAIP1	LAGE3	LOC100132057	
RNASET2	TMEM35	CELSR3	XLOC_001189	
NOLC1	C1orf74	CEP126	ALOX5AP	
MCM10	UCK2	PTPRS	LOC100130855	
RPAP1	FCRL6	CITED2	GSDMB	
MTRF1	DOCK9	LRRK2	TRIM50	
TOR1AIP1	KRT16	ZNF608	HSPB6	
LAMC2	SMAD7	IGHV4-31///IG	CDCA4	
FEN1	MRPL15	SELENBP1	LBH	
ANKHD1	HLA-DOA	UBN2	MTBP	
CD86	DBF4	PNOC	OLR1	
B4GAT1	ADAM12	PIGM	XLOC_011181	
SNX24	DHH	SPATA13	PRSS35	
OCRL	RTN3	ARMCX5-GP	XLOC_001836	
LINC00842	RCCD1	TSPAN2	XLOC_12_001986	
RACK1	AURKB	PMS1	XLOC_12_000353	
GZMK	CTSL2	AGBL1	EGFEM1P	
GPR39	KIAA1751	SERPINB1	CLEC4GP1	
PRKCB	CCL21	CLU	CALHM2	
CPT1A	HIST2H2AB	PLEKHG1	XLOC_009678	
UCP2	PARP1	STK39	TUBB3	
C5orf34	KIF1C	PRDM16	KDR	
CRYAB	AKD1	EMC3-AS1	MMRN1	
ST3GAL2	FRMD5	ESYT2	HYAL3	
C1orf159	HRCT1	PFKP	TRAF3IP2-AS1	

TRIB3	CSRNP1	CACNA1C	SAMD10	
PGP	GLIPR1L2	PRIM2B///PRI	XLOC_005647	
MTAP	ALDH3B1	MAP3K6	CLDN3	
GDPD1	FSTL3	SLC24A3	GALNTL4	
BET1L	SH2B3	LOC202025	GATA2	
PHLDA1	SRL	DONSON	IZUMO2	
GOT2	MPZL1	KDM6B	TMCC3	
ECT2L	EGFR	WDFY3-AS2	FABP3	
SLC25A51	HCN3	MCCC2	VAT1	
EXTL3	KIF18A	LOC10028863	C6orf127	
TPX2	TPPA	LYRM9	BACH2	
PLXNA1	CCDC96	UCHL5	PMCH	
MMAB	NUPR1	MDK	SNORA71C	
DOCK11	SGK196	SOCS3	SLC39A2	
AMOTL1	ZNF385B	TRABD	GCK	
C15orf52	C4orf49	TFAP2A	LOC100507668	
CTBP2	LOC390660	SLC7A5	KLHL4	
DCAF8	SEC14L2	LAMA2	LOC100507153	
CAPN2	TMEM237	CD83	METTTL7A	
NKG7	MATK	NGEF	CCL23	
SF3B3	EFEMP2	PKN3	TRIM63	
TP53RK	GPR116	AGR2	WTIP	
HSPA14	TSPAN8	TSPAN4	LATS2	
PSIP1	LRCH2	HMGA1	LOC338758	
RCN3	CAMK2N2	TRIM11	SEMA3G	
TARDBP	ZNF521	ANXA1	C2orf54	
IGFLR1	LAIR1	IGHV3-23///IG	PCDH17	
TUT1	JAZF1	LPGAT1	LOC100507588	
ADAM12	SHCBP1	ZNF385B	CXCL13	
EID2B	RCAN1	CSMD2	CNGA3	
PDXK	NCAM2	LRRC4	DKFZp566F0947	
PLRG1	RNF144B	COL21A1	PABPC1L	
FADS1	CDC42BPG	PENK	F11	
ARHGAP31	HRASLS	DCN	CCDC3	
PPP1R16B	MDH1B	MAGI2	UNC13D	
DHFR2	EGFL8	TCERG1	GAS7	
SERPING1	DKFZP761C1	ACTG2	XLOC_014255	
MAT2A	HLA-DPA1	SPC25	XLOC_l2_007315	
TFAP2A	HSD17B6	EHD4	HOXA3	

C8orf88	F13A1	HIST1H2AE	TRAF2	
CFL2	LOC644192	GPX8	DNASE2B	
PARD3B	CEP152	NOV	XLOC_12_011911	
IL22RA1	ALAS2	C10orf67	LILRB3	
PLXND1	SUFU	PRICKLE1	DDR2	
BLOC1S4	GPSM2	MFSD2A	LINC00471	
TMEM184B	BTNL8	PRRG1	KCNK3	
GTF2H4	TDRD10	IGHV4-31///IG	LOC729468	
C9orf84	GADD45B	MPDZ	ANKRD1	
ZC3H18	HIF1A	ACKR1	WISP2	
4-Mar	C9orf100	LEPR	ZNF81	
UBASH3A	FMOD	LINC00261	XLOC_001064	
UTP15	DCDC2	LOC10065314	AGRP	
NUCB2	PSMG3	FGF7	PLAC2	
NANOS1	TTBK1	ZDHHC2	NUP210	
ZC3H12D	TFB2M	NUMA1	IL34	
SRP19	BMPR2	CA2	CNTNAP3B	
RABGEF1	C9orf174	SKP2	LIN7A	
C18orf54	ABLIM1	MCM8	XLOC_002067	
PRR15L	NKRF	DDR2	LCORL	
TNFRSF18	SCN1A	INMT-FAM18	CTGF	
ZKSCAN5	DTX2	XPO7	LOC100287437	
CTNNBL1	HPCA	DOK5	ADRB2	
TIMELESS	ARHGEF6	LOXL2	XLOC_12_013301	
CEP126	RPL22L1	MAPK13	CCK	
TUBB4A	CCDC68	ASF1B	TFAP2A	
NHP2	HYLS1	BAIAP2L1	RUNX1T1	
CALM1	SORBS2	TTYH3	C22orf45	
FBLIM1	ZNF695	E2F3	LOC100128198	
CCNJL	ZC4H2	UBE2Z	PLCE1	
SLC9B1	C1orf54	DEPDC7	LOC100302640	
TNFSF12	LAD1	PRG4	CLSTN2	
TMOD3	C1QTNF6	TGDS	ITPKA	
COX10	RDX	HACD1	XKR6	
DIP2A	RGS2	IPO4	XLOC_012574	
USHBP1	HSPE1	EED	CREB5	
LONP2	RAB37	UNC5C	GLP2R	
XKR6	VAPA	PTPRF	PRKCH	
NCF2	PAK6	USHBP1	IKBKE	

ANXA3	FLJ39639	TNFRSF17	CACNA2D3	
SCML4	GRAMD2	SLC25A36	CHAF1A	
ASAP2	CLSTN2	DUS4L	EXOC3L1	
DOLK	MAP7	HPGDS	IL33	
TMEM259	SCGB3A1	SLC8A1	SEMA3E	
SCML1	ALDH18A1	PDZRN4	C12orf70	
ZSCAN20	MAZ	MYLIP	HIST1H2AD	
TCP1	C15orf59	RFX3	DENND2C	
UBA1	DDR1	CNTNAP3B///	EPB41L3	
MBD1	PBX1	HSPH1	CPEB1	
CCL26	SOAT2	SLC52A2	BARX2	
SLC16A13	SPRY1	MROH1	MPL	
ZNF319	C5orf4	ALOX5	EGF	
PDK4	RPAP3	AHCTF1P1///	CCL2	
RGPD1	ORC2	MSH5-SAPC	LOC100289211	
DTX3	ZNF765	MTBP	IL6	
NR4A2	MAP7D2	ZNF260	C1orf182	
TARS2	MTFP1	ADAMTS15	PMCHL1	
PPP2CA	SORD	PARPBP	HIST1H2BJ	
HIST1H2BO	BCHE	NCAPD2	EFCAB11	
BTNL8	LGI3	FGFR1	XLOC_007069	
MEOX2	KIAA0408	HDGFRP3	FLT4	
ATP6V1H	LOC728196	PCNA	ICA1	
SERINC2	TEKT3	LOC10012991	XLOC_002791	
C1orf112	DPY19L1	RNF207	AVL9	
PCOLCE	LOC10065276	VSNL1	LOC100506990	
PHACTR1	CAST	WWC1	LOC100507501	
SGCD	CC2D2A	PEG3	XLOC_013480	
HLA-DQB2	OBFC1	TDRKH	POLQ	
MS4A2	EIF4EBP1	TNFRSF10D	LINC00189	
EGFL6	RANGAP1	OSBPL6	TMEM200B	
ACTG1P4	DPRX	MIS18A	LOC646976	
THSD4	NDRG4	IRX2	HYMAI	
KNSTRN	LOC643441	SRD5A3	XLOC_008260	
EIF3J-AS1	NXF3	MCM10	XLOC_006808	
FBXL7	DNAH1	LRP8	PCOLCE2	
GPR171	C16orf54	NR4A1	C17orf53	
CATSPER2	TYROBP	GRAMD2	MYOCD	
KLHDC4	ANTXR2	ZC3H14	C1orf226	

TMEM176B	TBXA2R	MIR7112///BO	FLJ21408	
VNN2	PRSS2	APOBR	AGMAT	
PLPP5	BCAS4	XRN1	XLOC_008190	
SYAP1	TPSAB1	PRIM1	PRRT1	
KIF1BP	WDR63	STEAP3	XLOC_003595	
PHF2	P2RY6	PPM1L	DIEXF	
CUX2	TMPO	PPP4R4	LOC1720	
STK10	RGL1	PRR5	COL4A6	
SNRPF	NPY5R	CTNNBIP1	NPR1	
LRPAP1	ERP44	SLC2A11	STK10	
SYCP2L	ALG3	FAM53A	FBXO17	
ACOX1	HSPB3	CEP128	INPP1	
TMEM25	GINS3	MIR29C///MI	XLOC_12_012518	
IL13RA1	BEST1	FAM13A-AS1	XLOC_12_009129	
BVES	PSRC1	NDN	MYC	
CASQ1	SH3BGRL	FRMD4A	CLMP	
CD8B	TMEM63C	WLS	HBM	
IFT52	KLC3	TANC2	LOC100287808	
ITGA3	TCF19	LOC728392	XLOC_004175	
SF3A1	FAM83B	TEX14	CD33	
SHMT1	FOXRED2	NFIX	XLOC_012707	
CDKN2A	GPR20	ARHGEF37	C6orf145	
BCL2L11	BMP2	SLC38A9	CDKN1A	
NR1H3	SH2D5	MICU3	ADRB1	
CETN3	KDELR3	QPRT	ADRA1D	
HARS2	DKK2	AADAC	DONSON	
S1PR4	PDGFRA	SORD	PTPRG	
IGK	NCAPD3	PPP4R3B	XLOC_004205	
ATP2A3	MYOM2	RPS24	KIR3DL2	
PLCB3	MMP14	OIP5	XLOC_001703	
LOC10192873	RHPN2	REPS2	LCTL	
RAB35	GNA15	DNAJC3-AS1	XLOC_12_015143	
RNF41	HPGDS	RSRC1	XLOC_009900	
TFDP3	FREM1	BEX4	HHIP	
C4B	CPOX	SLC6A16	SPRY1	
LOC10028701	SMUG1	MGC57346	SNORD36A	
RUVBL1	FANCB	CA12	XLOC_004066	
COL11A1	TMEM232	MRAS	CD38	
FIP1L1	WTIP	IGF2BP3	XLOC_001341	

CNFN	LOC284630	SIGLEC17P	VSIG2	
HIST1H2BH	HIST1H4H	BCL11A	ASZ1	
CDT1	GPSM1	ZFP28	RFTN2	
TMEM140	LOC10014460	STK32A	XLOC_011686	
CLP1	C1orf182	WNT9A	HECW2	
HLA-DPB2	C4orf48	E2F5	SLC25A41	
KRT15	IPO4	PLAC8	NLRP14	
LPP	CSPG4	FBXO9	ZWILCH	
CHRNA9	METTL8	MAL	XLOC_004291	
IL18RAP	LOC401127	SIX4	ABLIM3	
NRP2	AP3D1	ANK2	XLOC_007475	
F2RL1	POLD1	MARVELD3	XLOC_013431	
ZSWIM3	PPFIA4	CD101	SNED1	
CASP3	PTPRR	GTF2IP20	PIK3R1	
LMF1	HIST1H3E	NKTR	XLOC_008992	
TM4SF18	TRAF3IP2-AS	CENPI	DNAJC12	
TMEM50B	CD14	KIF1C	PDZD4	
MTG1	SHE	HOXA5	MATN3	
BTD	TONSL	TFPI	ASPG	
NEDD4	NXPH4	NPR2	LOC100128292	
RBMX	LOC283483	HIST1H3E	AQP4	
SON	ACOT8	CLEC12A	HEMGN	
GUSB	PCDH12	HPSE	XLOC_003239	
CCND3	LOC10050593	RAB26	SOCS3	
TXLNB	CXorf36	PRKCQ	LOC286442	
PTTG2	EFHB	CABLES1	XLOC_12_011291	
CORO2A	CCDC18	MIS18BP1	MAGI2	
CFAP43	ATR	ACP6	GFI1B	
LOC728613	FREM3	SEMA3E	TMSB15A	
TJP2	FBXO41	SLC38A10	RBP7	
AXL	HLX	C15orf52	LOC729178	
STK39	COL6A2	ITGA5	GALNT4	
PLEK2	TMEM212	MAATS1	TNNI2	
LHFPL3	CCDC39	SLAMF7	CERS6	
PPIP5K1	MPP1	SLC46A2	FLYWCH1	
YWHAE	OTUD1	MALAT1	PIK3R5	
CRYZ	MYO15B	CLIC2	TBX15	
ZNF530	DNALI1	HOXB7	DPT	
CLDN7	RHOBTB1	PDLIM3	RNF43	

IL10RB-AS1	HEY2	DIO2	C4orf49	
MTFP1	RETN	SMG7	PDE8B	
SPSB1	SEMA4B	NUP155	MUC20	
SUSD2	C5orf32	ARL17B///AR	SYNC	
EPHB2	HCST	MFAP2	S100A8	
IGFL2	TPSD1	2-Sep	TMEM177	
CCND2	NLRP3	SMIM22	TIPIN	
SMIM13	FAM46B	GIMAP4	FGFR1OP	
BOD1	PHACTR1	AUNIP	FLVCR1	
FAM63A	MGAT3	PARS2	LOC255411	
BRCAT54	GPR87	FAM134B	NTN4	
GEN1	DNM1P46	IL18RAP	NUP133	
CLEC12A	PDCD11	IFRD1	XLOC_12_000942	
KIAA0226L	GNB1L	MND1	TLE6	
ACSL3	SCARF2	LOC153577	ITPRIP	
F2RL2	STAB1	SOX13	Q6IHG2	
C21orf91	PCNA	EPHX3	ROBO2	
MRI1	LHX6	PCDHB4	DES	
SULT1C2	FAM101B	RGS13	XLOC_12_006398	
NDUFS1	FAM188B	GYG2	MEX3A	
NACAD	ARHGAP28	PTPRN2	IL22RA2	
PLCB1	KRT8P12	UPK3BL///PO	DLC1	
MMP23B	LOC154860	DUSP1	PKIB	
CP	LOC286189	GMDS	SGOL2	
FLII	SLC12A8	SLC35F5	XLOC_001809	
LAX1	RIC3	IGLC1	ITGAM	
LSS	CTSG	TNFSF10	BIK	
UHL5	DEFB124	KLK11	TUB	
PRMT5	ARHGEF5	FAM43A	MPP3	
TAGLN3	NKD2	RAB42	MXI1	
MRC1	CARD16	RPA4	SPACA4	
SRR	AMN	FLJ35700	ARHGAP31	
NAP1L2	SPAG8	RAB2A	ZNF726	
APEH	EIF2C2	HOOK1	PVRL4	
NCF1	PRAM1	APH1B	KLRF1	
FBXW9	HLA-DMA	ABCA3	FAM105A	
HMOX1	GPI	C12orf66	FAM5C	
NENF	C16orf88	LILRA2	LONRF1	
NFATC2	SLC16A11	MID1IP1	PDE3A	

BCAS4	C1QTNF5	PHYHD1	PTPRH	
ITPR3	AGPAT4	PRR5L	ABRA	
LAMA4	PRKCH	CDH6	LOC153577	
XPNPEP3	ZNF714	UNC13B	PTX3	
SAP30BP	TLR4	IRX1	FAM136A	
KIAA1652	LRP8	RBM39	RHCE	
RPS27L	CACNA1C	PSENEN	ACSBG1	
DSCR9	PDGFRB	JUND	LOC100128191	
DNAJC28	CENPP	KCNJ15	LOC401127	
PER1	TMEM68	FAR2	CHRD1	
PLPP7	PLXDC2	NPDC1	XLOC_003915	
TXK	WBSCR17	SNHG3///SNO	LOC100287852	
TRIM35	B3GALNT2	CMTM2	NKD1	
TMEM47	SEMA3D	APOBEC3B	LHPP	
PARP2	LRRC70	CLEC4M	XLOC_12_001085	
PEX14	NDUFS6	PPARG	EMR3	
HM13	SGIP1	SPN	CTNNAL1	
C2CD4B	HIC1	LURAP1L	HBEGF	
MYO1E	PGK1	GBP4	MTHFD2L	
NEMF	FAM40B	ARFGEF2	MGAT4C	
ZSCAN2	CCNB3	SGK494	BLM	
MGC12916	KHSRP	APCDD1	C15orf23	
SRGAP2	RAD1	MPP6	XLOC_12_009302	
RGS19	LIMK1	SLC6A8	MESP1	
GAS2L3	RBM33	ANKRD33B	RIMS3	
LINC01184	C6orf222	CEP41	FCRL4	
NCKAP1L	KDR	YKT6	LOC100507392	
MST1R	PNMAL2	TTC3P1///TT	PALLD	
P2RX5	DSCAML1	ZNF215	XLOC_009516	
CX3CR1	GHR	CAST	ZBTB8B	
TRPC1	RPA3	PSPH	SOX18	
ADAMTSL3	ZNF204P	GPRASP1	ITPR1	
KIFC3	SMPD3	JAZF1	PPP1R14D	
PHF10	PERP	ZDHHHC11B///	PDCD6IP	
LINC00578	KCNQ3	LOC10192934	NCAPH2	
DERL3	SERP2	LOC10193030	NCF2	
TCERG1	PLIN3	CAPN3	NFIB	
ABI2	CD52	WDR59	KLHL30	
AVIL	PCYOX1	UBE2QL1	ASAP2	

SMC5	FOLR1	RASSF8-AS1	KCNMB2	
PHF23	STON1	MARCO	XLOC_12_001302	
NPAS1	STX1A	SCNN1B	KHDC1	
RMND5B	IGF2BP3	RHOBTB2	KLF9	
PRPS1L1	BCL2L10	ELN	FAM125B	
AOAH	C12orf32	NPTX2	ANKRD20A5P	
AHR	FA2H	MAGI3	DNAJB4	
MARVELD3	C6orf170	CKAP2L	FAM43A	
CHD2	SLFN11	NRG1	MSTO1	
PCDHB9	KCNE2	PCGF2	HIST1H4H	
CD2BP2	CAPN3	ZBTB22	XLOC_009016	
TCF7	PRICKLE3	PRRT3-AS1	XLOC_001532	
CSNK1G1	TSP02	ETV4	TUSC3	
SEMA3D	SLC16A3	WHSC1	CRMP1	
NACC1	DARC	RYR2	PABPC5	
URGCP	SLC9A7P1	ARC	NOS2	
KBTBD11	GRIA2	LOC401317///	MXD4	
IMPDH1	SIRPA	TDRD10	OAZ3	
LARP6	CTPS	SPDL1	PHF19	
ZNF25	FAM74A1	CPQ	XLOC_002117	
CDK19	GAS7	ARHGAP20	PF4V1	
CACUL1	B3GALT2	VWA3A	KLF6	
CDK7	MYOZ3	LEF1	RELN	
FAM65A	TCTEX1D4	MCOLN3	FRMPD4	
CXCL10	C1QTNF9	ST14	LOC100507437	
PROSER1	TLR3	LGI4	TCHH	
FLJ26850	FBXO32	FAAH2	HTR7P1	
RNF185-AS1//	IVNS1ABP	DMTN	XLOC_005423	
IGLV1-44	FILIP1L	USP44	LRRC4	
KLHL18	KAT2B	CR2	LOC100507311	
PRRG4	CKMT2	SYNJ2	XLOC_011403	
FDPSP2	LOC441204	CASS4	UCHL5	
FCRL5	ITGA1	STAT1	ADAMTS19	
QRSL1	SLC25A15	RASGEF1A	UQCRB	
ZNF587	KIF21A	EPB41L4A	OAS3	
COL4A6	ZBTB7B	MYO5B	XLOC_009964	
ABCC9	PDE1B	CCRL2	C16orf93	
MFSD7	KRT8	SUGCT	ZBTB7C	
MUC15	IL36G	ZBED2	FGF10	

PRKG1	CADM3	LOC729680	SCARF1	
MUC4	VMA21	RPP40	ASTN1	
HNRNPA1P2	ASPHD1	PSMA5	XLOC_003991	
RAMP1	SLC4A11	SAPCD2	KPNA7	
KRT16	GBP4	CLDN10	XLOC_009791	
FANCD2	LOC10065280	COL6A5	SH2D1B	
PCDHGC3	CYP2B6	UBASH3B	ELK4	
CHAF1A	UBL3	DNAJC6	PLEKHN1	
TM9SF4	POLR2D	SCN1A	LRRTM1	
NFYB	MOCOS	IRF1	XLOC_011950	
ANKZF1	KCNMB3	PTGDS	TMEM52	
GJC1	GABPB1	PLPP4	XLOC_009361	
LDLR	CCK	NECTIN4	APITD1	
WNT9A	CBLN4	PKI55	XLOC_008450	
SBNO1	PITX1	PRKAB2	ARID5A	
HSD17B2	LMO7	NAV1	FAM19A1	
HADHA	BEX4	MSH5-SAPC	CUL3	
PLD5	RASGRP4	EVA1C	REG1P	
APOL3	ZNF593	EPT1	THBS1	
RUNX2	AR	FKBP10	RTN1	
PFKP	NLN	FAM60A	XLOC_013923	
RSRC2	SH2D4B	CD180	FGFR3	
DNAJC3	RNASE1	SGCA	HRC	
CD6	MYRIP	FARP1	CELSR3	
CDV3	TNFSF10	C7	PLLP	
MRRF	CLIC2	CEP72	XLOC_013986	
RANGRF	BDH1	TMEM156	C10orf2	
SPRYD7	CROT	C15orf59	RASGRF1	
ZSCAN26	NR4A3	VCAN	ARNTL2	
DIMT1	TAGLN	CDKN2A	SGCD	
IKZF1	EDNRA	MRC1	ZNF280A	
GSTA1	NFASC	IGDCC4	XLOC_12_001440	
TMEM242	PDE3B	GPC6	CYP27A1	
LXN	WWC3	SIRPB1	KLF2	
SNCG	ZNF138	IGLJ3///IGLV	FBXL7	
LEFTY2	HHIP	IGHD	C1orf135	
HLA-C	CDCP1	DCHS1	PIF1	
BUB1	DNAH6	BMS1P20	TMEM64	
LOC10013309	ZNF587	CXCL3	EFNB2	

THG1L	TIGD5	EXOC7	ANXA11	
TIMM8B	GUCA2B	JAML	TRIM46	
FCGR3B	LOC10012939	LGSN	TSPAN7	
NACAP1	MBNL2	IDH1	ELMOD2	
ZMYND19	ZYX	INSC	RASGEF1B	
ZFP64	COCH	FOS	SELPLG	
MCF2L	PRKDC	GLMP	CD300LF	
EBI3	SLFNL1	PC	LOC100131831	
GEMIN8	GOLM1	S100A12	CYP1A2	
CAMK2G	SSR4P1	GJD3	PRICKLE2	
LOC10028923	MYO1F	NT5E	CYB5B	
MDM2	EIF5	SFTPA2///SFT	LOC643201	
RERG	LINC00310	IGHG1///IGH	MAPK4	
SIT1	GRHL3	IRAK3	PRDM6	
HPS1	CECR1	DNPH1	XLOC_008770	
HIPK3	IFT140	UHMK1	XLOC_013457	
WDR34	HSPA4L	TIAM1	MS4A6E	
SUZ12	TNFRSF21	HSPA13	PPP1R17	
GGTA1P	VASN	EXOSC5	XLOC_013818	
NCAPD2	IL17D	CCL15-CCL1	ETV1	
TTI2	CAV2	SEMA4B	RBKS	
FAM162B	MYO7A	FANCF	TOX2	
ZNF467	COL1A1	LRRN4CL	ZBTB16	
ADORA2B	C5orf28	CAPS2	XLOC_002693	
ANKLE2	LOC440356	MT1F	GCM1	
MYO1H	SEMA7A	CCL2	ITM2A	
LAIR1	NCALD	HIST1H3F///H	ADCK5	
STAG3L4	LILRA6	FLRT3	XLOC_006779	
CDK12	UQCRB	VAMP2	PRAM1	
GUSBP4	FAM66C	TCF7L1	LOC100507417	
SELENBP1	HIST1H1D	CHST3	XLOC_010275	
EIF5A	XPR1	MAP2	XLOC_12_015034	
ERCC1	NME5	MCRIP2	XLOC_12_009136	
ITGAV	CCDC147	PAX5	XLOC_008730	
TRAF2	C4orf38	CCDC18	PRPH	
HPGD	SGCE	MSX1	SNORA65	
FOXN3-AS1	ENTPD7	ATF3	FLNC	
C3orf18	ADORA2B	SLC7A11	EFNB1	
PKD2L1	GRHL1	C11orf96	EXOC7	

CYTH4	HS6ST2	SLC22A18	CCDC8	
TWF2	FCGRT	C2CD4A	MIA3	
RNF25	FAM110B	SLC39A7	HIST1H4F	
AHCY	ADAMTSL4	DSC2	XLOC_012631	
MUC1	SRCRB4D	TBC1D31	XLOC_012575	
ZSCAN10	VSIG2	SGMS2	CACNG4	
ASPHD1	DYNLRB2	TYRP1	INSC	
ID4	GVINP1	PITPNM2	SCNN1G	
EIF2B4	EPCAM	IGSF9	MAP1LC3C	
ITK	AHSA2	FAM105A	ZBTB47	
LAMB4	CYP27C1	CEACAM1	AGTPBP1	
CEBPD	HSPA8	RNASEH2A	XLOC_013623	
TMED10	MEIS2	MIAT	SPI1	
CSE1L	BEND7	ABCB6	XLOC_014514	
ADAM21	RMI1	TRAF4	LOC729887	
GUSBP5	BRCA2	NAALADL1	XLOC_014002	
TBL1X	CFHR3	RPL39L	DLX4	
MAP3K12	PDCD2L	NLRP1	SNORD19	
TTC19	PDCD5	MAPKAP1	BEND2	
KCNE4	ANKRD30BP	CD27	PENK	
LRPPRC	TOP1	OLMALINC	C1orf106	
PLIN2	VPS37D	YME1L1	LOC285629	
AP1S3	LBX2	VEGFC	GNLY	
NOL10	KISS1R	ATP10B	SUSD2	
TTC37	TTC22	ZNF519	LOC100506860	
AGAP1	GRB7	SNORD88C///	Q7VLF4	
CD27	PPP1R15A	CD274	SCARA5	
CDC42EP2	COPG2IT1	KCNJ8	HYLS1	
TNFRSF10A	APOC1	IGLL5	SLC5A4	
C12orf60	HIST1H2BN	RAD54B	C18orf34	
IWS1	C15orf26	DCDC2	NLRC4	
SCNM1	CADM1	SYN2	PTGDS	
SPI1	ANKRD29	IGHV4-31///IG	USP47	
ANKRD42	CCDC3	PDCD2L	UBE2D3	
GIPC3	TMEM69	SLC25A10	CLIC3	
AGT	LOC283737	FAM124B	CLDN11	
FARP2	MMP3	SPDEF	LOC644242	
SETD5	SNORA23	LOC10192713	XLOC_004773	
CHI3L2	PKP2	FBP1	PBX1	

C15orf40	ACTR3	LMNB1	ZNF521	
MRPS5	LMNB1	ECE2	C1orf21	
CAT	PCDP1	AIF1L	SDC1	
CYP7B1	SLC39A11	MMRN1	LRRC33	
RLN2	RAB9B	ID1	UBE2H	
ACKR4	TMEM2	KLHDC7B	C10orf81	
GINS3	CETP	LOC10192977	MMS22L	
WFDC1	MLC1	NHS	XLOC_000909	
PRPF4B	ARHGAP24	TEF	LOC145820	
DOCK6	IFI27	PADI4	XLOC_009094	
PDLIM4	TMEM47	MRGPRF	LOC100506882	
ULBP2	GLDN	STON1	XLOC_12_014076	
ZBTB9	C10orf35	NPFF	XLOC_011880	
GPR85	MSI1	LOC10272419	RNF125	
CARNMT1	DTL	AGTR2	APOBR	
MMP3	C17orf96	HYLS1	NASP	
RAC2	ADHFE1	LINC00622	TMEM8B	
ALX1	PEG3	MANEAL	PRTFDC1	
IQGAP1	TMEM55A	MAP3K8	TRAIP	
PTCD2	C21orf7	TRIM14	PHLDA2	
GJA1	SYN2	P4HB	FAM172BP	
9-Sep	RS1	EVA1A	SNORD54	
TAS1R1	VSTM4	TMEM45B	FAM165B	
LRRC40	LRRC71	SLCO4A1	CXorf69	
COG8	RPS2	PROM2	TCAP	
THAP11	RNF24	SMARCC1	XLOC_006072	
ATP6V1C2	USP9X	PWAR6	XLOC_002995	
ANAPC7	FAT4	MIR3658//UC	LOC100652764	
IDI1	KALRN	DLG3	XLOC_000281	
FCN1	ELMO3	ARNT2	DSCR9	
SGK3	HLA-DRB1	SFTPB	SERP2	
NCAPG	LIG1	FGF11	GREB1L	
UBTD1	MTHFD2	CABYR	RARRES2	
LRRC25	ATAD3A	ZSCAN18	XLOC_001043	
TDRP	KCNJ8	DOK2	XLOC_12_015804	
FAM49A	TTC25	LOC10192842	XLOC_002871	
DVL2	KIF24	CNTN1	XYLB	
RGL1	EPHB2	SH2D1B	FA2H	
SCRN2	GPRIN1	EXOC6	MFGE8	

PTGS1	GPR180	MT1X	G3BP1	
DCAF15	TMEM140	EGFEM1P	WNT2	
MAN1A1	CDCA4	FLJ45482	SPTA1	
FAM169A	CABLES1	SEC14L4	ANKRD32	
IKZF4	SAMD10	BEX5	C7orf41	
LOC257396	LOC284751	SLC4A4	FLJ46446	
NXT2	PRKCB	AIFM2	LOC100128320	
RAB11FIP5	LY6D	KLF7	XLOC_005939	
SH3BGR1	C6orf126	HIVEP3	ARL3	
CD37	TERT	GABRB2	SPN	
LGR4	AGR3	MLF1	SNORA12	
ARHGEF16	APC2	MGA	KHDRBS2	
CXorf38	STAB2	ZNF471	LOC100506161	
BCKDK	GAN	SLC15A2	PLS1	
RSRC1	EFHC1	ABCC9	BNIP1	
ERVK13-1	SNED1	TFRC	C2orf48	
ABI3BP	GMPT	SYNGR3	XLOC_12_011043	
MANBAL	CD160	PTCHD1	GJC1	
DTX1	PDZRN3	TMEM33	LRG1	
NCAPH	ANKRD22	BRCA1	HCK	
CCDC88B	DCAF4	KIF21A	NEK3	
WDR89	ALDH1A2	GMFG	FMO3	
CENPH	TSPAN2	TCF19	LOC730227	
RGS2	EGR1	ARRDC4	SEMA6D	
PCDHB10	WNT11	ZNF738	C18orf56	
LINC01232	SLC2A12	HYMA1	GSDMC	
E2F7	RECQL5	CPD	ADAMTS9	
AK1	LPHN3	COL7A1	JAG1	
TP53INP1	CD69	DUSP6	POLE2	
FAM110A	SLC25A13	MT1G	ST6GALNAC5	
ZCCHC24	ZNF599	PCOLCE2	C17orf109	
PRRC2A	TOM1L2	DDX19B	XLOC_007858	
DAGLB	IDE	GJC1	SMTN	
GNPDA1	RAPGEF3	RALY-AS1	MGP	
GNPNAT1	NRTN	LOC10192852	LHX2	
EPB41L4A-A	FLJ13744	C9orf24	SEC62	
CLPB	SNTG2	PKP3	PCDH15	
LRRC4C	KANK4	HEATR1	SNORD44	
MAPKAPK3	TSPAN12	EPHB3	LOC100505490	

MECOM	CYP3A5	CILP2	FAM71F2	
FADS2	RASGEF1B	GGTLC1	XLOC_003222	
VWA5A	RAB44	ETNK1	XLOC_12_000342	
CSNK1D	SCARA3	CDON	XLOC_001508	
ORAI2	SMYD5	LOC10050655	RP1-177G6.2	
TFEC	IRX1	ERICH3	LOC100507410	
BTG2	CTSH	ZNF662	PLCL1	
BAMBI	SCGB1A1	LOC374443	CHI3L2	
IFT81	ALG1L	STAC	B3GNT6	
GREM1	C2orf55	LOC10192863	TRIM6	
SNAI3-AS1	LOC283481	SEC61A1	XLOC_003881	
HAUS3	LRRC49	BICD1	LOC100288814	
SPOCK2	VPREB3	TM6SF1	TMEM156	
VANGL1	GARNL3	IGLV6-57	MUC1	
TREM2	MAP3K9	GTF3C3	LOC284751	
SLC37A2	CDC42EP2	L2HGDH	LOC643714	
TICRR	SEC14L4	ZNF704	CA3	
CLIC5	CLCN2	FZD1	XLOC_008769	
WDCP	NRGN	LMO4	DCN	
PXDN	SFN	ARMC2	GRIN2D	
FANCG	VASH1	PIEZO2	RLN1	
SYT15	PTBP3	CENPH	CYP39A1	
COL14A1	PROM2	OVOL1	MAP7	
NT5DC3	RXRA	RGS22	SHROOM2	
AKAP8L	FRMD4A	IGLJ3///IGLV	XAGE2B	
SCNN1B	SPACA5	EPN3	SYT12	
PGAP3	CRTAP	FAM65B	KIR2DS2	
ADGRD1	IPW	CD72	GIMAP7	
BAG1	LOC729970	LY6K	XLOC_000683	
SPIN4	MRTO4	TPSAB1	OR2A20P	
TNNI2	C1QB	TMEM63A	HHIPL2	
PLEKHA6	ZNF660	PKM	XLOC_008625	
SHCBP1	LOC92659	RBP2	LOC100505661	
SLIT3	IL18RAP	RALGAPA2	XLOC_010490	
ADRA2A	ID3	ALDH3B2	SYNGR3	
CCDC43	LINC00478	HRASLS	CNOT1	
AKAP2	NCF2	MMP19	CRHBP	
C3orf58	TNFRSF14	ARHGEF7	N4BP2L1	
ZNF404	WNT3A	VLDLR	SPG20	

ADAMTS14	NAA11	AFDN	C9orf150	
ALAS1	ZNF121	CD52	MYH6	
KCNJ5	VIT	HS3ST3A1	REM1	
PLPPR4	OPLAH	CT83	C2orf55	
LAMB3	CDK5R1	CYP2B7P///C	SEC14L4	
TPM3P9	ACP5	DMPK	XLOC_001906	
C16orf74	PMCH	SMCO3	XLOC_011691	
S100B	MCM3AP-AS	C1orf53	CLOCK	
MTDH	GUCY1A2	CYP27C1	SOBP	
NUDT9P1	IL2RA	ZNF93	XLOC_006726	
SECTM1	GPR133	TMEM158	COL6A2	
LIPE	TLK1	LOC441155///	XLOC_009180	
LIPG	C1orf31	EME1	XLOC_013560	
SNX33	NEBL	DHCR24	ASPRV1	
CALCA	CST3	PTBP3	FAM70A	
SH2D3C	ODF3L1	CDKN2B	CEP250	
S100A3	PHF5A	NR2F2-AS1	SLC41A2	
ELFN1	GPD1L	CNR1	BCL2A1	
KCNN3	SLC35F2	DSG2	LINC00336	
GYPC	GALNT6	FLT4	AQP9	
WDR31	IRF6	CDHR3	STAC	
SEN3	HOOK1	DSEL	AGTR2	
TPCN1	ERBB4	CXCL14	ZYG11A	
UBE3B	GGTLC2	SLC7A1	PTPRD	
MTMR14	C1orf172	STARD5	TSHZ3	
ICOS	OPA1	C8orf34-AS1	ZFPM2	
MRPL30	XKR9	PLPP2	DMD	
RABGGTA	FAM5C	PAQR5	PAK6	
PSMD3	C2CD4A	TRIM58	ARL17A	
PNOC	CALD1	MTFR2	YPLR6490	
RHOV	ARMCX4	GALNT14	XLOC_006381	
STRIP2	SLC44A5	ZC3H12D	REM2	
ADAT2	PF4	RECQL4	14-Sep	
SLCO1A2	C2	CALM1	PLK1	
JRK	ARHGEF9	C3orf70	DBF4	
GSTA2	ANKRD20A8	TMPRSS2	ANKRD29	
CAMKV	FAM184A	PTK6	LRRN4CL	
CPNE5	TGFA	GGT2///GGTL	XLOC_007181	
PHF11	TM7SF4	BCL2L15	LINC00240	

COL8A1	UBA7	CPA3	TM7SF4	
TSR1	GNPNAT1	KCNMB4	LOC100128108	
GPR4	C11orf82	LAD1	EGFL6	
P2RY6	STEAP1	OASL	ZNF366	
SQLE	KIAA1274	RBM8A	LOC100289230	
NUTF2	C12orf70	CEMIP	XLOC_014257	
GFI1	TUFT1	STK17A	XLOC_010743	
LINC01578	VWC2	CYR61	LEPR	
FOXD1	SPG20	KCNE1	XLOC_12_001359	
ANGPTL4	SLITRK3	LSR	PDZRN4	
KITLG	PRUNE2	C8orf34	FANCB	
BUB3	ASB5	EPHX2	LINC00478	
SUOX	GNG4	H1F0	SLFNL1	
ASH1L-AS1	CELF2	EFHB	TPPP	
ZNF197	PAQR4	C1orf116	PMEL	
PKMYT1	GPR115	KCNN4	LINC00460	
MLC1	GFPT1	HMCN1	FUNDC2	
G2E3	APOBEC2	JUNB	PCDHB12	
TTC1	C15orf27	PCSK5	XLOC_011174	
HSPB1	HDAC5	USP9X	XLOC_003709	
PLA1A	RGS17	NRK	NHS	
AKAP9	KLRF1	CFB	LOC100507351	
STK4	CLDN12	DOT1L	KLK7	
ADI1	SFTPB	C1orf43	XLOC_005946	
RAB37	CSNK1G1	PCP4	BCL2L15	
AMOTL2	CASC1	SLC30A7	COL11A1	
RPL36A	C16orf89	AXIN2	PDE1C	
MVD	BMP8A	KCNN3	XLOC_000922	
SH2D1A	ATL2	CKS1B	ARHGEF4	
KIF14	C17orf108	PLA2G2D	XLOC_014369	
EFNA5	ZWILCH	NLRC4	LOC100286925	
CDK20	CLEC4M	EDIL3	SCARNA15	
RRAS	ARHGAP18	CHD4	MCAM	
MROH9	PTCRA	LAMA3	SYNPO	
RPP30	CAV3	AGAP11	ADH1C	
RGS20	CYP2G1P	GXYLT2	XLOC_009913	
ZNF550	MMP23B	TOP1MT	LOC100131774	
PARM1	C6orf145	CHI3L1	SALL4	
C14orf2	CILP2	FAM72A///FA	XLOC_001225	

SIPA1L1	NEIL3	PIK3R3	XLOC_006843	
DTD1	THSD7A	DYNLRB2	PRIM1	
PTGR2	CBX8	IGHV4-31///IG	SNX10	
DARS2	LTBP4	ZFAS1	CD160	
TNS4	NCAPG2	PROK2	XLOC_009892	
UBAP2L	CLDN11	MIR181A2HG	LOC100507263	
GSN	ANO9	LINC01123///	PGC	
BAIAP2-AS1	BCL11A	UBD///GABB	KCNA6	
EPHA8	EEF1A2	WDR78	LOC284513	
RANGAP1	ZBED3	SBK1	HERC3	
TNIP1	C10orf128	ATP6V1C2	BRAF	
THAP5	LOXL2	SSX2IP	LUZP1	
MT1M	ETS1	WFDC3	C9orf129	
CCDC142	JUP	ZBED6	FOXA1	
MYL5	LOC375190	ARHGEF19	PRDM12	
NEBL	FOS	NEK5	PHACTR1	
NDUFS2	SRGN	TPSB2///TPS	PCDHGC3	
KDELC1	TRIB3	KLHL7	ETS1	
MRPL10	UPB1	CD19	CHRNA6	
FSTL1	EPB41L5	FAM110B	C19orf40	
TXLNGY	KIAA0040	HDHD3	TDP1	
PRR5-ARHG	VBP1	VSIG4	KIAA1024	
BDP1	FOXS1	SFRP4	ENO3	
GPC6	EGFEM1P	HIST1H2AC	CCDC34	
TRIML2	PLXNA2	SFTPD	HDGFRP3	
NCAPD3	SNORA73A	6-Mar	OSBPL3	
MYZAP	C1orf220	GNLY	PRF1	
FNDC1	BEND5	ALPL	SNORD76	
KCNMB2-AS	PSMD2	LINC00551	NCR1	
GPR68	NMD3	KRT80	TM4SF18	
COLGALT2	RUNX1	ARHGEF16	MAML2	
BEND5	O3FAR1	FOXA1	TRIM14	
TBX5	TTC29	PRSS12	XLOC_007996	
THSD7A	FLJ26850	FAM47E-STB	LOC100507175	
ARNTL	MCAM	PCDH7	TMEM63C	
RNF141	DDX43	ZNF793-AS1	TFAP2C	
TMEM74	HIST1H1C	HIVEP2	FITM2	
SPATS2	KHDRBS2	CREB3L4	GEN1	
LMTK2	CCL2	PRKCA	LOC400684	

MRPS27	C6orf97	NAP1L2	AVPR2	
INPP5E	MEF2C	RNASE4	ANKRD22	
LPO	CCR1	NUDT4	STK31	
EWSR1	MTERF	CFTR	TTPA	
PNP	ABCB6	ZFP69B	HIC1	
RNF167	LOC400891	ID3	SNORD80	
ARHGAP11A	OLFML2A	ABHD11	CHAC1	
TMEM130	CARD8	COMP	SFTPC	
FZD7	GAL	HIST1H2AM	PDPN	
GCFC2	SKP2	PRSS2	RNF165	
FAM19A5	RGS7BP	ELMO1	XLOC_12_006417	
BLCAP	PCDHB4	SLC44A5	GPR63	
CARS	USP47	COLEC12	XLOC_12_000092	
ZNF225	HLA-DRA	DDIT4L	LSS	
DCUN1D1	ARHGEF37	LOC10192734	KRT79	
SLC35F5	C12orf39	DENND1B	ZNF853	
KCTD9	EFR3B	SLPI	LOC100652766	
MPLKIP	MYO7B	CLIP2	XLOC_006724	
GLDN	SIRPB1	TLE2	CTSL2	
CLCA3P	IPMK	TRMT13	XLOC_002377	
KIF18B	TSPAN7	GRIN2D	TMEM184A	
LINC00659	RFTN2	MYOZ1	ATP10B	
HNRNPD	FBXO43	PTGR1	E2F1	
SIRT3	HYDIN	RPL37A	CLEC12A	
LMNB2	PDIA4	HIST1H4H	XLOC_009378	
C1QTNF3	LRFN4	ANO9	LOC100652884	
USP22	GDF11	CHAC2	MICALCL	
HPS4	RUNX2	ALOX5AP	ACR	
CCDC144B	FAM160A1	MGEA5	PDGFRA	
ZNF311	MAML3	DSCC1	BRCA2	
TMC8	LINC00092	PNKD	C9orf169	
IL4R	DPP3	C20orf85	GNG2	
RTN4R	PCDHB15	PRKCDBP	STGC3	
ABT1	DNAH10	ZNF117	MARCO	
DIS3L2	AJAP1	DNAH12	B4GALNT4	
VAR5	DBNDD1	CCDC180///L	C19orf46	
IGHV3-69-1///	SPATS2	FPR2	IFIT1B	
HIRIP3	TM6SF1	SLFN13	LOC645431	
SH3BGRL2	SLC7A7	MAP6	ANKRD34A	

B3GALT4	RCC2	CDCP1	LINC00032	
LOC10260646	SMOC2	ODAM	SELP	
HK3	KNDC1	ADAM8	GPR84	
LTF	HIST3H2BB	TET1	GIT1	
RHOBTB2	KIAA1683	HIST1H3F///H	PITX2	
COPZ2	BMP6	OSCAR	HOTAIR	
ADH7	STK39	LTK	DUOX1	
PRIM1	SLC22A3	KIF18A	LYPD2	
PTPRN2	LOC10013000	NUP62CL	XLOC_009894	
GSTA5	SGCB	PKDCC	C10orf128	
SLC16A1-AS1	SPERT	CKS2	OR52K2	
PCYOX1L	MESP2	CARMN///MI	PTPRO	
SCIN	HLA-DPB1	WASIR2	XLOC_12_007731	
GNGT1	DMD	CPM	XLOC_007722	
PYGL	LOC10013149	C11orf63	SLC2A14	
TRPV5	ZNF551	TRPC6	LGR6	
KANSL1-AS1	SPATA18	BMP1	GPX6	
EIF4G3	SUV39H2	CENPW	ACHE	
CEP104	SERTAD1	PGF	DOCK9	
ANAPC1	ROR1	HSPB3	SFXN2	
ARL14	FLJ11235	NAPEPLD	ANO1	
FRA10AC1	MAGI2	TNFSF11	XLOC_008020	
CDK11B	MTX2	QSOX1	PDGFRL	
RAD51B	KCNJ5	PFKFB2	LOC100294362	
TP53	OR51E1	EPHX4	CLCN4	
SIRPG	BDH2	ADGRE1	FAM167A	
PUDP	RRS1	INPP4B	DIO3OS	
TOE1	KCNN4	CUL7	XLOC_013717	
PCNT	STIP1	BCAR1	XLOC_007696	
SLC35F2	FAP	RPGRIP1L	ZP3	
REEP3	TIGD3	GGH	LYPD1	
MCOLN3	IL5RA	RNF43	XLOC_004475	
XBP1	C1QA	OAZ3	XLOC_002356	
TAF5L	PCDH18	DPY19L1	HOTAIRM1	
HIST1H2AD	C2CD4D	LOC283177	XLOC_001849	
WNK1	FAM179A	CLEC2B	TCTE3	
S100A14	XPOT	IL20RA	ANKRD62	
FAM120A	BIK	MS4A1	THNSL1	
TRAIP	TTLL10	LRRC46	DAO	

AVPR1A	LOC10013015	OCLN	MATK	
C22orf39	FNDC1	TLR4	CD24	
RSRP1	AKAP9	SPEF2	GREM1	
DGKG	C1orf87	SLC25A15	XRCC3	
ZFY	SYT12	STC2	LOC100507930	
AGPS	SETD6	OR7E14P	TMEM56	
IL33	ANXA11	KIFC1	ANKRD19P	
CDADC1	TDRD6	CHML	HES2	
SMYD4	RBBP8	IGFBP5	XLOC_012503	
ACPP	SLC16A2	CBX5	TDRD9	
TRUB2	LINC00087	CFAP43	XLOC_12_014101	
MTHFR	VAMP5	FAS	KRT15	
SRPRB	MOGAT1	IL1A	MPP6	
LRRC15	PI15	FREM2	FAM66C	
TDRD9	HIST1H1E	PRTG	ACMSD	
THY1	HS3ST2	RTCA	LOC780529	
14-Sep	RAB38	CENPN	XLOC_011815	
ZNF683	CSDC2	KCNN2	KCTD16	
ULK4	PRPH2	MNDA	FGF7	
CSNK2A1	SAMD5	NINJ2	FAM178B	
LINC00324	TMEM54	ARHGAP28	EGFL8	
CDC7	FAM47E	SPECC1L-AD	KAZN	
NEK2	UGT8	TUBB2B	PHYHIPL	
OASL	PLXNB3	DLL1	LOC100506098	
ZNF614	SLPI	DRC3	NR4A3	
HLA-A	HOXA11-AS1	APOH	NIM1	
CIDEA	SLC25A40	FCER1A	XPNPEP2	
ITM2A	HMGA2	NME5	GAFA1	
TNFRSF11B	DCAF12	ADAMTS9	LINC00173	
NDUFAF5	LINC00511	SLX4IP	LOC100507186	
HIST1H4J	CXCL13	CDC45	FRK	
CFAP36	MIR17HG	TLCD1	MT1IP	
STMN2	MAN2A2	LST1	Q21WG5	
ZC3H13	STEAP3	LOC728613	FLJ13197	
FBXO2	CLOCK	MN1	XLOC_009167	
PTPN14	TNS3	GCAT	LOC100131347	
FNIP2	PRDM2	KIT	XLOC_003402	
FAM13A	MFSD9	IGFBP6	RCSD1	
ZNF286A	ALOX5	DTL	CNKS2	

HNRNPA1L2	NF1	TMEM231	GNAI1	
PTGES3	DCDC5	SEL1L2///GPR	TSEN15	
SELPLG	C8orf46	SNTN	DNM3	
VCAN	EPB41L2	KIF13A	LOC644192	
HSDL2	FLJ25917	LONRF3	NUDT11	
ESF1	TNS4	CACHD1	C9orf43	
ANTXR2	ZCCHC7	ARFGEF3	NSF	
GAPDHP62	TNNT1	F2RL1	TMEM45B	
PPT2	ARHGAP8	VWDE	SNORA56	
TBC1D8B	C17orf75	CYP2B7P	PLN	
INPP4B	C18orf34	SLC18A2	XLOC_009790	
ACVR1C	TMEM48	FGL1	EXOC3L4	
SLC27A6	IL23A	ALDH1L2	C5orf64	
RRN3P2	RCBTB2	FABP5	XLOC_004382	
RIMS2	MT1M	TRIP13	XLOC_012281	
LAMA1	CCDC85A	APOBEC3A_	SLC2A11	
KL	FLRT3	C1orf162	GPR39	
LOXL1	H1F0	TNFRSF18	MAP7D2	
ELOVL6	C7orf49	PLCXD3	XLOC_001575	
SAMD3	ITGB4	NMU	FAM188B	
CPSF3L	FAM122B	NRIP3	BSPRY	
GPT2	ARMCX3-AS	SORL1	KCNJ10	
PTPN1	TTYH1	STRIP2	ANKRD33B	
GADD45G	SPI1	ATAT1	TINAGL1	
HIST1H2AM	PABPC1L	SERPINI2	C21orf71	
PDE9A	ARRDC4	PPP1R3E	SLN	
CA13	SPAG6	SFRP2	XLOC_005675	
PAK2	SCRG1	DTNA	LINC00313	
STIL	NDNF	ACE2	SESN1	
IMMP2L	RGS20	SNHG4///MA	ZNF681	
CCNO	SELE	DCBLD2	HEPH	
ATP11B	GALNT7	SCGB3A2	LOC100506686	
MBTPS1	ADAMTS14	HIST1H2AH//	XLOC_000708	
XG	MSRA	BLACAT1	BOLA2B	
EMILIN2	MREG	FCRLA	POPDC3	
MEI1	KRBOX1	SYT12	LIPM	
PHC1	LOC727808	TNS4	XLOC_002779	
PMCH	LOC10033503	ZNF850	LOC643770	
HYI	MAPK6	LAX1	TMEM48	

ST6GALNAC	NFS1	KIAA1217	C2orf40	
ABCA10	UNC13B	ZNF331	SH3BGRL2	
CXorf65	YBX2	CDC14B	KIAA1598	
KIF13B	CENPH	SPIB	BEND7	
JADE2	CC2D2B	VWA5A	BTNL8	
SYNE3	MMP28	OR2A9P///OR	TTYH2	
CRAMP1	ITGAL	KCNE4	LOC650293	
ANKRD18B	ARHGAP29	CFAP52	PDE4DIP	
PCNA	LOC728763	CD69	GUCA1B	
COL4A1	10-Mar	AFAP1-AS1	XLOC_000796	
CD19	GNLY	SAMHD1	TRIM67	
ZNF652	NHLRC4	KCTD15	DUSP8	
HLA-E	C4BPA	OLFML2B	CGNL1	
OCIAD2	MDK	GPR87	BRCA1	
RGPD2	ZP3	EGR2	PCSK9	
PIGR	PRIM1	BEAN1	SLC16A6	
UBE2T	ZFR2	EXO1	ASAP1-IT1	
KHDC1	TMSB4X	SLC26A9	KCNH2	
LOC10028786	MMP11	CLSTN2	CEP72	
SMCO4	PIK3C2B	TPSB2	GNAZ	
TG	KRT80	SLCO4C1	FOSB	
TACC1	ZSCAN18	FAM171A1	FCAMR	
DPP7	LOC254128	FOXA2	CYTL1	
TMPRSS13	LMTK2	DNAI2	C9orf86	
MEPCE	PPIL6	METTL26	GIMAP1	
WDR1	CWH43	LOC10050707	LOC100507599	
SPRY4	PIGR	COL4A4	LOC283553	
PLEKHM1	SLC24A3	IGHV4-31///IG	SLC8A3	
RPL24	ZNF540	TMEM125	ERC2	
FAM218A	IKBKE	ADAMTS9-A	NTF3	
TCF3	RBBP5	PEG10	MB21D2	
ZNF8	PPP1R36	SIRPA	LOC100132741	
KLK5	SNX25	ZDHHC11	EML1	
FTHL17	C11orf9	HOXB-AS1	MC1R	
ID1	C8orf85	AK9	TNFRSF9	
PPP1R2P1	LEMD1	IGFL2	XLOC_002099	
SMAD3	HLA-DPB2	VWA3B	XLOC_008583	
CNTNAP3	IFIT2	UCHL1	C4orf38	
ANKRD44	RBFOX3	TARP///TRG	GMDS	

MED29	CGREF1	CCDC144NL-	C10orf114	
SUSD4	GNG2	RAB30-AS1	XLOC_12_009811	
CTNNA1	PWRN1	SALL4	XLOC_010455	
B2M	C6orf103	CAMP	CT45A5	
CHD8	FER1L4	SLC6A10PB///	PPP1R16B	
RIC3	ZHX3	MEOX2	LOC401557	
SMR3A	WNT3	RRBP1	XLOC_004625	
P3H4	NOP16	CD24	XLOC_004841	
GSTT2	WDYHV1	KCNS3	HPCAL1	
TBX21	SLC33A1	LOC441666	MACROD2	
SCN7A	C15orf52	FAM110D	FAM198A	
GK	CCDC30	HIST1H2BC	XLOC_001916	
SLC22A4	NKD1	GJA5	SLC29A2	
SRGAP3	SLC2A11	CTSK	NGDN	
LDLRAP1	SYT11	RFC5	OR2W3	
C2orf78	FAM105A	CCDC150	RBPJL	
GDF10	CITED2	FUT6	LOC100129434	
EOGT	ST6GALNAC	ADAMTSL4	XPR1	
HIST1H1C	BASP1P1	CD1C	TRIOBP	
RAB11FIP1	POLR3G	P2RY12	CCL16	
MAST4	DYNC2H1	TSNAX-DISC	C8orf84	
FXR1	ZNF367	PRF1	DARC	
KLHL24	PCDH15	DBNDD1	CD52	
LNPEP	PRPS2	GDPD1	SPATA12	
LOC81787	RNFT2	PLA2G5	APCDD1	
PHKA1	TPK1	PHLDA2	ROPN1	
ADGRA3	APOA1BP	MMD	TOB2P1	
HLA-DQA1	LOC643037	TYRO3	MTL5	
GDPD5	SYCE3	CYAT1///IGL	DPY19L2P3	
LCA5	LRRC48	SFRP1	CD83	
EML1	CCDC58	VAMP5	HNRNPH1	
SHC2	CA9	DSG2-AS1	XLOC_12_000357	
STOX1	CDC6	PLN	MTHFD2	
PPP1R14A	GRIK4	PI15	LAMA3	
SHROOM2	FCN1	KCNRG	XLOC_011201	
ADORA3	TMEM238	AGPAT4-IT1	TSLP	
FAM192A	LILRB3	MS4A7	KCNN4	
OSCAR	C17orf100	LOC10192739	XLOC_12_004192	
NXN	PLB1	PF4	CFLAR	

LOC10013192	VENTX	EIF4EBP2	CTHRC1	
HP	DKC1	HOXC6	C15orf37	
HNRNPA1	PRKCDBP	ABCG1	GAMT	
YWHAEP1	SAMD12	DIRAS3	LOC728052	
SMG9	MCOLN3	MFAP3L	XLOC_006883	
CD83	SMC2	DMXL2	PCYT1B	
PIGO	CCDC146	PAK6	FLJ31945	
POM121	FLJ26332	NCAPH	MYO7A	
USP10	RNF207	IL1B	SAMD5	
STAMBPL1	LOC283352	ADTRP	XLOC_007026	
ACAD11	MIS18BP1	SLC4A7	SEC14L6	
PNPO	CALM1	ACSL4	SPAG4	
TRIM24	EFCAB11	LIMD1	XLOC_12_001138	
HBD	TPPP	HK3	C15orf27	
DDX60	FCER1G	CACNB2	MUC13	
ACOT8	GJB3	LOX	XLOC_006751	
VIM	ST8SIA1	AKAP14	KCNMB1	
PDLIM1	AOC4	GLT1D1	ZNF608	
ZNF549	ODZ1	C6	XLOC_003204	
ELK3	PTPRG	LARGE2	KBTBD10	
CDC20	DNAH12	AOC1	LOC283728	
SLC2A14	HDC	FAM83D	XLOC_013868	
SCG2	MECOM	SLC28A3	METTTL7B	
MME	G2E3	CD109	MCF2L	
1-Sep	LCA5L	CD79B	TNFRSF18	
SHOX2	CCDC69	PLVAP	GGCT	
MAPT-AS1	SOSTDC1	SLC35F3	ST8SIA1	
SDHAP1	FAM173B	ATP8A2	KCNJ5	
GPR32	WLS	REEP6	ACOXL	
MYO19	SBSN	CATSPERD	XLOC_005764	
CRTAM	ST7-AS1	RERGL	PCDHGB7	
CALHM2	LOC339975	AGPAT4	AQP10	
NTM	DLX3	MIR6883///PE	POLR2F	
CD72	NPR2	PPP2R2C	KIR2DS3	
GEM	C1orf173	CYP4Z1	CCRL1	
GTPBP2	EHD2	LOC10013331	XLOC_011755	
BOLA3-AS1	EXOC3L4	LCP2	SMAD9	
TFCP2	S1PR4	TRIM6	LCN2	
TYW3	RPL39L	PTX3	CAMSAP3	

PAG1	DCTPP1	CAPSL	XLOC_006810	
TDRD5	TMEM8B	CKMT1A///C	RETN	
DKFZP586K1	AACS	COL15A1	EGR3	
FAM105A	AMIGO1	SIX1	XLOC_008711	
GDF11	ARHGEF26	GAD1	GJB4	
MRPL52	RGS3	MMP3	CCDC163P	
BCL10	ARHGAP15	NR2F2	MYEOV	
TMEM154	LOC286437	HCG8///ZNR	LTA	
RNF7	HSF2BP	PDLIM4	CNTLN	
PSMD5-AS1	TNFRSF13C	HOPX	CKS1B	
TIMD4	RPA1	FCRL2	XLOC_005810	
IFNG	DLX6-AS1	TMEM190	LOC730101	
MEGF8	DLX6	FOXA3	LOC158402	
METTL15	EPB41L3	SPATA18	SOCS7	
FXVD6	NSF	GRTP1	XLOC_011981	
COPA	NUDT9P1	PKHD1L1	BAI3	
WASF3	C8orf51	RABGAP1L	SPEG	
TANC2	ZCCHC5	NPY1R	LOC100506352	
BCORL1	DMRTA2	CPXM1	KCNAB1	
DESI1	SPATA6	BRE-AS1	FOXF2	
HEY1	S100A11	TRIM36	TTLL7	
BCO2	GATA2	MMP7	CTTNBP2	
IL11	GSN	UGT8	CLEC12B	
NUFIP1	TUB	PLTP	DZIP1	
ALPK2	GBA3	TRIB3	HAS2	
SALL1	KLHL12	MIR612///NE	C10orf12	
IQCH	DLG5	LOC10193016	LOC100302401	
NAPSB	DDC	APOLD1	LOC100506213	
ACSS2	NEDD4L	PRKCB	ANK2	
SCEL	RFC2	GREB1	TWIST2	
TRA2B	RIIAD1	FBXO15	XLOC_005592	
CTSG	CLCN4	RAPH1	LOC100134167	
PHB	CKAP5	FAM216B	XLOC_010543	
IFNE	STRN	DUSP4	XLOC_008390	
BCL11B	DNAAF1	PTPRH	2-Mar	
C7	KRTAP3-1	BTNL8	ZNF300P1	
COX19	ARRB1	TTC22	XLOC_12_015738	
FOSL2	FAM131B	GFRA3	XLOC_009583	
CYP2C9	HPGD	MARCKS	ARRDC4	

STK38L	GHRLOS2	C11orf88	TMTC1	
ARHGAP23	TLE4	KCNRG///TRI	C11orf87	
COX7B	HOXB4	ATP13A4	SYT4	
WBP2	ATAT1	GALNT13	LOC100133306	
CTH	PRKCQ	IGHV1-69	LOC100507372	
KCNH8	HMBOX1	PTGS2	LOC100507312	
MTURN	CFTR	CSF3R	BNC2	
NCALD	NPHP1	HEY1	TMEM237	
PNISR	INPP5F	KBTBD12	RGN	
TRDMT1	LILRB2	OMD	LOC100507212	
CHD7	C6	NRGN	PRKD1	
ATP6V0D2	KIF9	UBE2S	LOC100507086	
PHTF1	DPCR1	PKIB	HPD	
MUC20	SLC40A1	ACVR1C	XLOC_010542	
DRAM1	CD5L	GCLC	SNORA26	
ST20-AS1	RGAG4	CXCL12	CMA1	
C1orf74	C21orf33	LOC10099673	E2F7	
SFRP1	USP53	NMNAT2	LEPREL4	
SLITRK5	HAAO	PER3	TSPAN32	
POLR2A	LAMB3	APELA	MT1E	
PDCD6IP	AXIN2	CILP	VENTX	
BSN	RIF1	DNAH1	FIGNL1	
STX11	ENTPD8	LOC10193036	PDE3B	
BBS2	AMDHD1	DNASE2B	GPR116	
PECR	FUNDC2	FLJ32255	WNT3	
ZNF514	CD99L2	AK7	CX3CR1	
URB1	NME9	KRT17///JUP	EDIL3	
NET1	TSHZ3	SOGA1	PCDH10	
MLKL	METTL21A	NEIL3	LOC100287592	
TNFSF4	SH3BP1	CHRD12	LOC441179	
MORF4	SLC35F5	CDKL2	GJA5	
EIF4H	MMP19	SYNE4	PRSS30P	
IL18BP	ONECUT1	SDR16C5	KRT1	
CLUH	CCNF	TEKT2	TGFB2	
MAL2	EFNA3	ASPH	XLOC_009630	
MMP26	C17orf82	LCAL1	VPREB3	
PBRM1	FAM190B	PPP1R14C	MGC4294	
ITGAL	PDE6A	NCAM1	RAET1K	
POLD3	TSNAXIP1	TEKT1	LOC285965	

GNL1	WDR78	MB	GALNT13	
LINC01405	LY6K	CCDC173	IL6ST	
ZNF740	MST4	GALNT6	XLOC_12_003848	
SPG7	KIAA1908	MEX3A	GPR126	
FYTTD1	PLP1	LOC10192826	XLOC_009370	
CEP131	MRPL36	MIR210HG	LOC100507250	
NANP	SNHG3	CFAP70	XLOC_002198	
LOC255308	GTF2IRD1	EFCAB1	C6orf225	
ANLN	POU6F1	CD38	PRR5L	
ADGRL3	SOHLH2	PRR5-ARHG	XLOC_12_010270	
NT5DC2	APLN	BBOX1-AS1	EPN3	
LRMP	PLXND1	RHOV	LOC100498859	
CDCA7	SLC22A10	FAM46C	PYCRL	
EPHB4	PADI1	DPP6	UPK3B	
ZNF618	ECT2L	HNF4G	XLOC_007018	
NAA38	ATP10B	MS4A8	SNORD41	
AMOT	FAM180B	RAB15	EPGN	
CFTR	XYLB	ZBBX	ZNF385D	
ARHGAP44	EFHA2	RCAN2	BAIAP2	
ACTN1	LINC00476	GAB3	LOC285954	
RILP	SPINT1	SELE	SLC16A2	
ADAM15	C14orf28	GNA14	XIRP2	
MSANTD3	CCDC138	SGPP2	C10orf82	
ZNF19	CSF3R	CD300LF	POU5F2	
BPIFB1	SLC6A1	COL4A5	XLOC_000820	
AFF1	TNPO3	ELOVL6	BTBD16	
SEC11C	PVRL4	PLEKHA6	XLOC_014082	
ZNF473	RAI1	FFAR4	XLOC_12_000649	
COX11	FABP3	COL4A6	RGS16	
NCOR1	L2HGDH	ADGRG2	KIR2DS4	
EFHB	PTCH1	SLC29A2	LOC100131089	
UBR1	TCEAL6	JAG1	TBX21	
EFHC2	TMEM206	ZNF664-FAM	RN5-8S1	
SPEG	BID	LOC10050671	XLOC_12_012911	
TESC	MUC5AC	TOX3	LOC285758	
UHRF2	TTYH3	OLR1	XLOC_006882	
IL21R	OR4C46	TTC9	PRSS12	
CLMP	LOC10013270	LOC10192860	CRIP1	
RPL28	DLL3	STK31	SLC14A1	

ETV4	MRPL13	SCGB3A1	DEPTOR	
CHAF1B	ZP1	CARMN	ANKRD20A8P	
LMO4	DLG1	ITPKC	CACNA2D2	
IFI27	HMGB2	LOC10192888	XLOC_009723	
EDIL3	SEH1L	RBM24	C11orf53	
PSMD9	SULT6B1	SLC4A11	PAX6	
GOLGB1	PNRC2	DMRT2	VIT	
PHYHIPL	FGF9	BIRC3	CSTA	
AP2B1	CCDC65	GPR78///CPZ	GALNTL1	
AGR3	C15orf5	MSR1	XLOC_009185	
SDR42E1	LOC645166	GNG4	XLOC_007734	
GPX3	SEC63	CYP1B1	HMGA1P4	
SFTPC	CLIC4	C1orf194	XLOC_12_012748	
LOC10050654	MAN1A1	HLA-DOB	NR6A1	
LSAMP	RARRES2	SOX18	RPA1	
FAM117B	SUSD2	PLD5	P2RY6	
TARSL2	STK33	YPEL3	XLOC_006525	
COX20	OSTBETA	CLEC4E	XLOC_005449	
HIST1H2BB	THADA	STEAP4	EMID1	
TRIP13	C10orf105	SPON1	XLOC_008391	
RIBC1	SEC24A	C9orf135	ZNF454	
CELF6	IL20RB	KRTCAP3	CCDC160	
UNC5D	GUCY1B3	HRCT1	LOC100133190	
GUCY1B2	OSBPL3	TWIST2	DNM1P46	
ZNF285	EGR3	HORMAD1	XLOC_011238	
ROR2	BAIAP2L2	SPTLC3	DIS3L2	
ZNF71	ARMC4	TNFRSF19	XLOC_011081	
EEF2KMT	SLC38A10	ANO1	MMP1	
TMEM119	KCNRG	HSP90B1	XLOC_005763	
DPM3	C9orf24	S100A2	GPRC5C	
HNRNPH3	AHCY	RIIAD1	NGEF	
MRAS	ANKRD5	RNFT2	ADAMTS15	
SMAD5	ZNF471	TLR8	XLOC_013788	
CLIC3	PLCXD3	KIAA1211	ZNF660	
GPSM1	PCDH17	C16orf89	PLA2G5	
EIF2S1	CA14	EGF	Q8LKN9	
RGMA	SYN3	GPX2	PGLYRP1	
MAGEC1	USH1G	CYGB	FBXO22	
TRMT11	CELA2A	CFAP157	FLJ46875	

SELE	COL3A1	ROPN1L	Q89B38	
UBTD2	TTR	ALPK2	RIC3	
TRMT44	SYTL4	RHOH	GATA1	
SLC2A9	ALPK2	NRXN3	VTRNA1-3	
RGS14	STXBP1	G0S2	GYPB	
FLJ30064	C20orf132	CD1E	LOC100292909	
LIPC	LOC10013108	LRP2	SNORD72	
ITGB4	HGFAC	TFF1	LOC100129763	
FAM64A	LMAN1	MMP13	XLOC_007835	
ZNF577	PHACTR3	RARRES1	HSPA4L	
FAM210B	FBP1	SOD3	TTC39B	
MGAT5B	HLA-DMB	BDH1	LINC00029	
FCER1A	PPP1R3G	NR4A3	TTLL10	
P2RY2	RIBC1	NLRP3	XLOC_002636	
LOC10012823	NOV	ZNF750	NAP1L5	
BNC1	FAM18A	MAP7D2	MAST1	
TAF1A-AS1	BPIFB2	VNN2	DMRT2	
LOC10028886	TEX14	MAP2K6	PLCH1	
SLC9A8	MANEAL	RBPMS2	TLE4	
CXCL17	ZNF692	AHNAK2	XLOC_000956	
DNMT3B	HEATR7B1	XKRX	ATP10D	
MAP3K13	LOC441179	IL6	PRICKLE1	
CKAP2	FBXO5	MMP16	XLOC_011248	
NIPAL2	CASK	LOC10013126	PGCP1	
MAGEB10	AIF1L	SFTA3	LRRTM2	
SOWAHA	MXRA7	RSPH9	SLFN13	
ZYG11B	SYT7	MACROD2	DNAL1	
CNTNAP3B	SLC22A18AS	RIMS2	KALRN	
SEMA6D	PDE4D	HHIP-AS1	XLOC_009677	
AP1M2	POLB	RGS18	FAM81A	
FSTL3	THBS2	DSP	XLOC_011856	
ZNF717	TMEM14A	AHRR	C12orf59	
KIAA0895	SLC39A14	P2RX5	XLOC_12_015038	
SLC35D2	C10orf57	ENO1	ANKRD18B	
GALT	ZNF167	SPRR1A	DCT	
NEB	AZI2	LYPD3	NRG3	
PRR16	TMCO2	LOC10192921	SNORD30	
TWIST1	C14orf33	ZNF883	LOC286189	
VPS13D	RAB25	P2RY13	PTGR2	

PRPF31	ABCB1	RAB7B	CDC23	
ADARB1	GIMAP2	CCDC17	XLOC_009303	
TTC3	APBB1IP	GPR27	SPTB	
VAT1L	APOBEC4	RNF128	UTRN	
ANXA10	WNT1	FGB	YTHDC1	
SLCO2A1	MBL1P	CAPN12	KLK5	
NKD2	SNORA2A	PSD3	TIAM1	
C2orf88	FCRL5	TNC	XLOC_005478	
CEACAM1	WFDC6	FAM83B	XLOC_12_001134	
SLC1A2	CXCR5	RND1	LOC283483	
STYXL1	ZMYND10	DNAI1	XLOC_009763	
C16orf89	MS4A8B	RSAD2	XLOC_008922	
NEDD1	SSX2IP	GPR35	KCNQ1	
ACAP2	PLA2G4F	BMP4	DKFZp686K1684	
HLA-G	SUV39H1	RBP4	APOB	
HIPK2	LOC10013000	KIAA1324	CMKLR1	
NOL3	CMAS	TTC25	XLOC_005495	
LINC00691	CLDN4	RAB3IP	PPARGC1A	
SEMA3A	NRG2	C4orf22	KIF21A	
ARMCX6	DTHD1	DNAH7	CXorf61	
DHRS7C	ZNF454	CCL7	XLOC_12_013751	
ZNF229	PIH1D2	SATB1	HDC	
PTGES2	HEPH	LOC10192807	GABBR1	
YARS	CYP2F1	TNFRSF9	XLOC_010097	
IL20RB	ATP6V1E2	GLDC	LOC100132354	
NIPSNAP1	VIPR2	LOC10272471	PRDX4	
ITPRIPL2	DNMT1	MUC16	PI16	
CCL17	SLC5A9	PRAME	CBLN4	
MIR155HG	CKMT1A	FMO5	TUBBP5	
KLF3-AS1	KIT	DAW1	MGC3771	
MYOF	LMOD3	ZYG11A	VSTM4	
MOXD1	TMCC2	WFDC2	SMAD6	
SPOCD1	NFKBIA	HGD	Q958C4	
COL8A2	PIRT	LOC728196	LGR4	
KIF5A	EGLN3	F5	C15orf5	
H19	EXD3	MORN5	XLOC_12_002928	
ISL1	LDLRAD1	ARSE	XLOC_12_006944	
PITPNM1	SIGLEC6	SULT1C2	SEC14L3	
TRMT61B	EFCAB6	COL14A1	MFI2-AS1	

ZNF318	PMS2	CTSW	XLOC_12_009292	
SELP	HAMP	LINC01207	MPEG1	
LOC643355	KLHL30	PPP1R3C	LOC100144603	
SH2D4A	ABCC6	MDH1B	PREX2	
HOXB5	TTC18	GPR82	MAL	
PRIM2	TMTC3	PDE7B	AIF1L	
GRHL3	METT12	PACRG	CYP4B1	
CNGA1	WFIKK2	LOC10192921	GPR19	
MARCO	PCOLCE2	PLA2G7	WDR67	
PDZK1IP1	ARHGAP21	CD33	KRT222	
PCSK9	CES1	FAM26F	XLOC_12_015893	
TSTD3	MS4A14	CYAT1	XLOC_010825	
ELAVL1	LOC283710	RMST	FLJ32224	
ZNF585A	AMOTL2	PIFO	HPGDS	
CFB	C12orf66	SLC16A1	XLOC_12_001543	
RIPK4	COL7A1	CTSV	SLC16A9	
WNT5B	LRRC1	AKR1B10	LOC100288594	
DMRT3	C3	ANXA9	DKFZp564H213	
IFFO1	PODNL1	FMO1	XLOC_12_013456	
SSH2	MS4A4A	PRR36	XLOC_013551	
ATP2B4	YSK4	LOC10192881	LAMB4	
ATP5E	TWIST2	TMEM71	KIAA1683	
DLC1	TRAF3	SPRR1B	IFT57	
XRCC6P5	AMOTL1	LY9	XLOC_12_009833	
TTY21	DNAH7	MMP23A//M	MUCL1	
CYHR1	OR7C2	GLB1L3	LOC100506235	
COX6B1	PRDX4	CDC25C	HAS1	
NLRC4	CCDC108	CCDC114	TONSL	
ARHGAP6	AGBL1	LOC389834	OR5P2	
OTUD4	ADCY5	ETS1	FCAR	
EFHC1	CLEC9A	SAXO2	XLOC_013370	
SEL1L	PTK6	EPYC	PEBP4	
EXOSC6	CAMP	CYP2C9	RPRD2	
MRPL39	RSRC1	ROS1	FLJ45482	
BACE1	C8orf73	SCUBE3	NOV	
FAM69A	RHOBTB2	CMKLR1	JUND	
C11orf88	LOC728178	TMEM232	XLOC_011327	
HIST1H2BN	C16orf71	P4HA2	ERI2	
PAX4	FGF14	SPAG6	NR1H4	

EFEMP1	IGSF21	MUC3B	NKG7	
CREG1	ONECUT3	ATP6V0A4	LOC100128035	
HIST3H2BB	FAM65B	FAM64A	XLOC_007467	
KIF3C	OOEP	CLEC10A	XLOC_002060	
NOC2L	CDK15	LINC00460	SNORD99	
ZNF781	LOC202025	MOCOS	XLOC_007080	
SOX2-OT	AK7	PRSS3	DUSP13	
TXNDC5	FNIP2	SPI1	C4orf7	
ITGA11	VWA5A	SDS	KISS1	
BCCIP	TFPI	NAPSB	SCARF2	
PRDM1	BCL2L14	TCN1	CXCL9	
CCDC146	KLHDC1	C8B	C1orf144	
PDPR	PABPC3	DMBT1	SEC24A	
SLC22A5	TAS1R3	FLJ34503	GBA3	
CENPV	ACOXL	PHACTR3	ELN	
TNFRSF12A	CXCR2	BMPR1B	MPP7	
C20orf27	ZNF81	ZMYND10	XLOC_010477	
MAPK10	STMN1	AGR3	KIAA1244	
AMDHD1	RNU105A	RSPH10B2///	HRCT1	
FZD3	ADAMTS10	CBLC	LARP6	
TPM2	SLC11A1	GPR84	XLOC_000743	
ZSCAN31	SNORA81	ADORA3	PRKAR2B	
UVSSA	SNTN	SERPINB5	XLOC_011237	
CCDC57	FBN1	NAPSA	LOC100507395	
NUSAP1	GMCL1	CASC1	AMPD3	
CD109	RHOD	SUSD4	EGLN3	
HNRNPKP3	MFSD3	CFAP221	MYRIP	
RPGRIP1L	TRPC6	CYP2J2	C17orf87	
AIMP1	KRT18	LOC154761	POM121L2	
ARRDC3	AIF1	TAGLN	SBSN	
NOD2	PHYHD1	QPCT	C21orf81	
TKT	C1orf129	EPHA4	UCN	
FBXO32	INSC	PLGLB1///PL	PRRT3	
STC2	FUT2	HMGA2	SGCE	
TMCC2	GSR	DNAJC22	XLOC_013957	
FAM83H	CHIA	PLK1	C12orf54	
CCNYL1	BST1	SHOX2	XLOC_12_003626	
CCDC113	PPPDE2	MGST1	PTAFR	
LMO3	APOLD1	CST6	XLOC_001035	

ITGB1	LOC284276	AKR1C1	GPRIN1	
LRRC14	SLC7A11	IGFBPL1	XLOC_009372	
FUT1	DNAH9	ABCA12	PAQR6	
CNTLN	ASNS	ITGB4	WSCD2	
PTBP1	HS1BP3	POF1B	XLOC_006364	
LGALS3	VEGFC	HOXC9	ZNF536	
CNOT1	VAT1	EPM2AIP1	AXIN2	
SRSF4	KRT15	BANCR	C8orf47	
FOCAD	KRT86	CHRNA5	TBC1D4	
PLA2G1B	PODN	HAS2	XLOC_004842	
CLHC1	GFRA1	SLC11A1	LOC646851	
C22orf29	CRIP2	TKT	Q9BVX4	
LOC10012962	ZMYND15	SEMA3A	FLJ27354	
TRIM44	FOLR3	LAMP5	SLC24A1	
KLHDC7B	ANO5	PLPPR4	SYDE1	
KRCC1	ENPP4	SAA2///SAA1	DCST2	
SBSPON	PHF20L1	LYPD1	XLOC_008691	
MDFI	DLEC1	MIR1178///CI	CHEK2	
LOC729080	PRAME	POC1A	GPR162	
KDF1	WDR96	SYT1	KCNK12	
RHPN2	LINC00487	C4BPA	LOC100129397	
MET	C6orf25	IL11	APOD	
HOXA11	CRYGN	TDO2	DQX1	
MTHFD1L	GNL1	EHF	PLEKHM3	
VPS33B	LRRC33	RHOD	XLOC_001475	
DLX5	AKT3	RNF183	SHE	
WNT2	CXCR1	MGP	ULBP1	
SCN9A	C1orf51	ALOX15	PPP1R15A	
PNMA3	NR3C2	SMKR1	HAND2	
MYPOP	TEKT1	ATP2C2	C6orf168	
HCG26	C6orf123	GAL	LOC440040	
ZNF605	IGFBP3	EPHA3	CRISPLD2	
COL12A1	RRP15	DLEC1	TIMP4	
PPP1R13L	TMEM125	MUC13	DUOXA1	
LARS	ANKRD23	HOXD10	AADAC	
ARL10	SLC26A10	MET	CES5A	
TWSG1	DUOXA1	SCG2	LOC400238	
SIGMAR1	SESN1	MAP3K13	FGF11	
C17orf100	ACADSB	CHGB	LOC100507307	

SLC4A4	CHI3L2	RSPH1	SEC14L2	
ISCA1	B4GALT4	SCTR	IL36G	
NNMT	RTN1	CCDC78	CHRM2	
LGALS1	LOC10013182	LOC10050752	SOX2	
AMBP	PAG1	LOC10272370	XLOC_011401	
MAN1B1	PLEKHN1	CYP2C18	LOC728613	
TIPARP	INPP4B	UPK1B	TM7SF2	
COLCA1	GP6	CBX2	IL18R1	
CYR61	PLIN5	CNOT6L	XLOC_005479	
SNHG7	PRKCZ	VANGL2	FAM72D	
TMCC3	HOXB5	SAA2-SAA4//	XLOC_12_005428	
VSNL1	NRAS	IGF1	CHAC2	
FOLH1	OLIG1	PIH1D3	CPNE4	
HNRNPUL2	UBXN7	CLDN3	XLOC_011119	
IGHV5-78	OSBPL6	SLC34A2	GALNT14	
RNF19A	UMPS	MEG3	LOC100506705	
NFXL1	EPDR1	ATN1	HIST1H2BF	
MATN2	ABL2	CEACAM5	SYN1	
LRIG3	SIGLEC1	HOXB9	CMTM2	
SLC4A3	KLHL3	KCNJ5	ANPEP	
JUN	SLC24A4	CXCL1	WFIKKN2	
FAM72D	ZNF669	SLC16A9	MFAP3L	
BBS12	TMEM37	PRLR	FAM72A	
PCSK1	SENP6	C6orf141	PTPRR	
RTN1	HBQ1	CCDC80	XLOC_12_010063	
NAMPT	ASTN1	GLB1L2	TM4SF19	
CENPL	C11orf16	IL20RB	XLOC_006948	
PALM2	TFAP2C	CLINT1	GCAT	
TFCP2L1	CCDC13	SLC19A3	TNFSF11	
MICAL1	PDE7B	LOC10192741	XKR9	
HIST1H3I	GAS1	POPDC3	XLOC_006994	
PTGS2	TMEM146	CTLA4	FBN3	
METTL7A	FAT3	AGBL2	C8B	
SREBF2	CADM4	KRT6A	LOC730974	
LOC10050710	NGEF	KCNJ16	THSD7A	
ORC1	FAM190A	CRTAM	RERGL	
CEACAM4	BAALC	FAM169A	GRIK2	
KRT16P3	LATS2	HS3ST1	XLOC_000332	
IGKV2-24	LEPREL1	CST1	NKX2-1-AS1	

CYP4V2	SNRK	ARL14	LOC100506735	
ZNF138	PROK2	CMBL	ANKRD30BP2	
CS	DQX1	ESRP1	WDR96	
XRCC2	WISP1	C1QTNF3-A	FER1L4	
TCF7L2	MGLL	FAR2P3///FA	ALOX5	
TEKT4P2	CCDC17	PRUNE2	SEMA3B	
C2orf76	MASP1	LOC10193032	DNAJC22	
ERICH6B	DMPK	CEACAM7	FGFR2	
FMO4	MARCKSL1	ARMC3	VTCN1	
ACVR1	MS4A4E	TMPRSS11E	LYNX1	
TLK2	DLEU1	GOLGA7B	CHRNA5	
PIK3CA	BIN2	LOC10193037	LOC100506255	
GALNT10	EFHD1	MAGEA6	SEMA4B	
PLCXD3	STK31	LILRB4	LOC285768	
TTC12	CYB5A	DHRS2	OBSCN	
ADD2	HLA-DQB1	SORBS3	ABHD11	
GPR18	RN5-8S1	MAGEA6///M	SPDEF	
NLRP2	CSF3	TENM1	AHCTF1	
KIFC1	IFIT1	NQO1	SLC22A31	
SESN3	C11orf88	GRHL1	C1orf81	
H2AFX	MOB3B	HCAR3	RIBC2	
CCL23	FAM70A	MLLT11	JUN	
IL17D	ENPP2	PDK3	BFSP2	
GFRA1	C1orf81	SCUBE2	TCP10L	
PARVG	NLRC4	ALOX15B	LOC100506688	
OXCT2	ANXA3	HHIPL2	MOB3B	
NTF4	PTPRF	PKP2	DSEL	
SDC4	MORC2	FFAR2	ITLN1	
FGFRL1	DNAI1	S100A8	CNTD2	
LOC10536923	FLJ45684	CLDN6	SAMHD1	
TK1	LILRA5	ENPP3	KRT4	
MCMDC2	ARG2	LOC10050733	RARB	
RNF145	ANK2	FPR1	ENAH	
MAP2K6	FAM189A1	SFTA2	TMEM61	
MAN2B1	RBMS3	LOC10192981	XLOC_12_010831	
SAMD9	LOC10012938	CCL19	CCDC129	
TM4SF1	PTGDR2	FCAR	XLOC_006669	
ARID3A	CUL3	MUC20	PNMA5	
UBQLN1	MYEOV	F12	LOC386758	

CCNG2	SLC16A5	TMEM63C	XLOC_12_001529	
CD9	SOX5	LMO3	MTVR2	
ANKRD34A	GPA33	LYPD6B	GKN2	
SHC4	KLF11	ARMC4	GADD45B	
SHMT2	UCN2	TREM1	XLOC_001011	
LINC01480	PTGES	KIAA1644	XLOC_12_015098	
SP140	ATP8A1	KRT6C///KRT	LOC100506125	
STOX2	LYPD3	C2CD4B	ALDH1A2	
MARVELD2	GPR126	ZIC2	XLOC_008712	
FLVCR1-AS1	DNAJC22	SPRR3	SPINK1	
HOMER3	ROPN1L	HAS1	LOC404266	
ANKRD35	CD83	TF	STAB2	
CASC15	KLHL17	KLRD1	MNDA	
MAP3K15	CCDC42B	POTEM	WHAMMP3	
QRFPR	APOBR	PCSK1	MIR221	
TUSC1	DUSP13	NLGN4X	GPR115	
WWC2	VWDE	MMP10	PTPRN2	
EXOGL	RTN4R	LRP4	AMACR	
SCOC	GNG13	MIR146A	FZD3	
PLK4	C12orf33	SERPINB4	CDH16	
HIST2H2AC	C11orf84	DCSTAMP	KLB	
CMTM7	TBX21	ERFE	A2MP1	
CCDC112	DOK6	VSTM2L	PNMT	
MATK	MTHFR	EIF5A	BEND5	
COL5A3	SAP18	CFAP126	FLJ45513	
MRPL49	C22orf15	SOX11	TMPRSS11E	
ORC6	CIRBP	HES6	PLAG1	
MPP5	P2RX5	FCRL3	XLOC_012695	
GUF1	WFDC3	FOXD1	PCM1	
PGM2L1	HOXA10	CA9	CEACAM5	
ERRFI1	CHMP4C	CFAP53	C11orf63	
KCNQ2	MAK	FAM69B	XLOC_010434	
GIN51	ADARB2	MAP3K19	LOC100507133	
ECHDC3	SLC22A4	S100A7	ST7-AS1	
TTY15	ZNF541	MAGEA12	XLOC_006670	
PIM2	DCBLD2	CHST9	LOC100129900	
RANBP1	DYDC1	NPW	LOC100287482	
FTCDNL1	CD19	SERPINB4///S	FAM108C1	
SYMPK	NR5A2	FAM81B	XLOC_004144	

PGC	CAPZB	IGH	ERP44	
PAF1	RBM20	CSAG2///CSA	KCNJ12	
SYTL1	PODXL2	HABP2	TRPC4	
PSG8	NKAIN4	LY6D	IL23A	
PCM1	MIR31HG	LOC10192695	N4BP3	
SERAC1	CD163	MFSD4A	RHPN2	
COMP	CACNB4	PLEKHG4B	XLOC_007339	
TMEM117	LDLR	TNNT1	TBC1D8B	
RSPO3	EFCAB1	HOXA1	XLOC_001146	
HIST1H2BK	PCDH9	SOX2	TIGD3	
SRPX2	B2M	AQP9	PYGO1	
EFNA1	TCF7L1	S100P	TNNI3	
PELI1	ATF5	OBSL1	ANXA3	
FASLG	KCNJ15	MSLN	PARVB	
STARD3	IL36RN	WDR72	NDUFA4L2	
SRD5A3	RAB3B	CH25H	RASSF10	
F3	GJA5	IGFBP2	NEU4	
GSPT1	ABCC3	CHIA	GDF6	
HIST1H4K	GGH	SLCO1B3	LOC100505908	
BTN2A2	C10orf112	SYT13	NNAT	
ODF2	OLR1	THBS1	SCG5	
CSMD2	MCTP1	TNIP3	XLOC_003468	
BTBD11	WASF1	MUC4	HSD17B7	
PLAC8	ERBB3	HOXA10	ANKDD1A	
HMCES	CXorf41	CCDC169-SO	C6orf138	
TONSL	FXYP4	CXCL9	XLOC_003327	
B4GALT5	EFNB2	HTRA4	LOC100507516	
GOLM1	GPR123	VNN3	BPIFA1	
AGR2	SLC4A4	ABCB1	COL4A3	
VEGFA	KLHL31	GDA	LOC100505485	
LYN	CCND3	XAGE1B///XA	TSPAN12	
BEND7	SCARF1	WDR38	ERN1	
SLC27A4	MPP6	DRAIC	XLOC_011899	
PRG4	LONRF3	GZMH	KANK4	
SLC25A43	FHL2	LOC10192903	XLOC_005564	
LRP11	LOR	NEFH	LOC285178	
RASIP1	PTGFRN	ABCA4	SLC6A8	
HIST1H2BI	LOC728392	LGALS7B///L	XLOC_008116	
CCDC34	FN3K	MAGEA10-M	XLOC_006415	

NDE1	TUBB1	SYTL5	LOC100147773	
MBD3	FLJ31104	WT1	LOC100129516	
MPP6	GJB5	RNA45S5	XLOC_12_015202	
STBD1	SMAD9	PLEC	XLOC_12_008991	
CXCR5	MAL	PAMR1	HSPA12A	
MFSD14B	GALNT14	MUC15	LACTB2	
SNCAIP	DARS2	SERPINA3	LOC100505994	
KIF7	LOC10065308	UGT1A6	RXRG	
ARL6	C14orf49	MAGEA2B///	LRP1	
MFSD9	GFOD1	LOC10537517	DNASE1	
IRS1	AKR1B15	ATP13A4-AS	RPA4	
RIMKLA	MPEG1	UGT1A3///UG	LOC100287221	
ERI1	GAS6	LTF	PTPRK	
LOC440934	C8orf48	PITX1	ZNF720	
RGS4	POLR1A	NKX2-1	ATP6V1E2	
LOC10192774	BTG2	EYA2	VWA1	
TSNAXIP1	ZIC2	MUC5B	BAAT	
HCG4	CTNNBIP1	HOXC10	SERPINB2	
KLHL29	BFSP2	MYEOV	TEX11	
NCOA7	CSTF3	TMEM259	GOLGA6L7P	
ZNF419	AKR1B10	HAS3	XLOC_12_000636	
TNPO2	SLC18A2	C4BPB	XLOC_003228	
WASF2	FAM81B	MEDAG	COLEC10	
HVCN1	RNU12	SLC1A7	LOC613266	
RAD54L	WNT7B	INSL4	LOC100506022	
CNTN4	KCNQ1	SERPINB3	MRAP2	
CBLC	PPM1J	PAEP	NR5A2	
ALS2CR12	HNF4G	CTAG1A///CT	DSCAML1	
ERCC2	PAPSS2	ARG1	XLOC_12_007435	
CHEK1	RBPMS2	PPP1R14D	SCGB1A1	
TGM2	HOXA7	SERPINA1	DKFZp686D0853	
PRKCQ-AS1	DNM1L	NR0B1	AGR2	
NAPSA	SCNN1G	PCSK1N	XLOC_011979	
PRMT1	SERPINB5	VIL1	SCD5	
GARS	PRKD1	CXCL5	ITGA7	
PCDH7	FAM53B	UGT1A1///UG	KCNJ8	
BAG3	DCDC2B	CTAG2	ADD2	
DNAJC3-AS1	LYNX1	FABP7	XLOC_012945	
NBPF1	NDRG1	SERPINE1	WDR76	

SPNS2	PPP1R42	ELF5	XLOC_005827	
POLR1E	SCG5	CAPS	PPP1R14C	
MLN	DPYSL3		XLOC_004524	
TCEA2	IGIP		SNAI1	
ABCD3	KCNJ16		GPR37	
NYX	CD79A		CEACAM3	
MFAP5	SLC4A3		XLOC_12_005880	
SYNM	HLA-DRB4		XLOC_12_015342	
KIAA1107	LOC100616668		MNX1	
CARD14	C4orf7		XLOC_009217	
CCDC144A	SYNGR1		FOXD2	
BCL2L14	ATP8A2		ZNF737	
FOXE1	PVRL1		HCN3	
RTFDC1	SPATA4		XLOC_011520	
CENPN	ELMOD1		TTN	
PAPOLA	ANKDD1A		ADARB2-AS1	
RNF34	NPEPPS		XLOC_12_004168	
RRP7A	DNAI2		SPP1	
RARRES3	CST2		NAP1L3	
CD200	CYBB		GPR160	
GPR161	DNASE1L2		DKK2	
TNNT1	GPC2		XLOC_012727	
DEFA3	NIM1		OVOL2	
ANGPTL1	JAM3		LOC283624	
MIPEP	C9orf117		XLOC_012112	
CFLAR	MMS22L		JUNB	
PLPP1	PNMT		XLOC_012849	
C5orf56	UNC5C		MATN2	
AGTR2	MYNN		LOC100132077	
SRD5A3-AS1	ZNF503		PTGDR2	
BMS1P6	PASK		SLC6A12	
SAMSN1	SLC46A2		SPRY4	
TNFRSF21	TARP		XLOC_006889	
MIR99AHG	LOC400682		LINC00483	
BOD1L1	CSF1R		IGFALS	
ZXDC	MYH1		ACP6	
GPSM2	FGG			
TMPRSS3	KAL1			
COTL1	SPTLC3			

NKAIN2	ID1			
SULT2B1	ETV1			
CENPA	XKR6			
FN1	SLC5A4			
XAF1	LRRIQ1			
CSE1L-AS1	NMT2			
WISP2	KRT83			
CDNF	PPP1R27			
LRRC8A	TCEA2			
CHRD1	GUSBP1			
SMCHD1	GTF2IRD2			
RBMS1	PLK3			
SMIM11A	ARHGAP20			
ANPEP	MAGI1			
TTLL4	LYPLA1			
CUZD1	CAGE1			
SCPEP1	CD68			
TOMM20	PNPLA7			
LOC643387	ZNF532			
LOC10028722	EYA4			
CEP250	SERPINB9			
SLC5A10	GPRC5A			
TMEM147-AS	UGDH			
GALNT14	CDHR4			
GALNT2	OGDHL			
GTF2IRD2	DEPDC7			
PLEKHG2	C6orf165			
ADAM19	PYGO1			
STK24-AS1	R3HDM1			
DDX56	TTLL12			
RPL27A	COL5A2			
PTH2R	SLC29A4			
DSC2	GPR112			
CYP4X1	DAPK1			
SIK1	GEMIN2			
CLASP1	METTL20			
STOML2	TMEM145			
TNXB	HLA-J			
SLC3A2	ENKUR			

GATC	KIAA1432			
CDH3	ZBTB46			
VSTM4	ZNF202			
SPC24	TMEM178			
FKBPL	SERPINA3			
CHD6	PRRG4			
FCGBP	ARHGEF25			
TRNP1	AIM2			
EPHB1	COL4A3			
IGFBP4	CCR8			
CHRM3	SLC22A18			
GAPT	S100A16			
EFNB1	CEP128			
LRRC27	GPR34			
HCP5	FLJ42022			
DPEP2	SPRY4			
GPCPD1	TRIM22			
CACNB3	CASZ1			
LYRM4	SLC7A1			
PFDN1	CCDC169			
TMEM106B	ITGBL1			
MEGF9	SLC25A25			
LOC10050610	MRC1			
MIRLET7BH	ANTXR1			
GSTA4	TWIST1			
MAGED4B	POLA2			
EBP	SLC1A1			
USP40	GPX2			
MTCL1	MAGEA6			
SERPINB13	WDR66			
SLC16A12	LOC100131262			
POMC	NRP1			
LOC645166	VSIG10			
SPHK1	KRT17			
HLA-J	OLFML3			
LOC10537079	MIR22HG			
COL17A1	LARGE			
PBX1	LINC00284			
TMEM100	EMP1			

SPSB2	OBSL1			
TMEM161B-	CKM			
MTFR1	C1orf53			
EXOSC5	PSMC3IP			
KCNC2	ABLIM2			
MEX3A	NKAIN1			
KDM3A	TTLL7			
WDR76	SLC31A2			
ZIK1	PLAC8			
ROPN1L-AS1	TM4SF18			
TCF21	RSPH9			
NR2F1-AS1	MGC21881			
SKP1	LOC283867			
CLDN3	C17orf97			
LAYN	VNN2			
MELK	NKG7			
USP49	UBXN10			
DHCR7	SLC16A4			
HIST1H2BD	PKD2L1			
IRX3	AKNA			
TRAV12-2	ASAH1			
CCR8	DNAJC18			
RBM41	CHCHD7			
KCNK17	TNFSF11			
LIMD2	FAM3C			
FAM168A	CHML			
CSNK2A2	DMBT1			
VTCN1	GARS			
LOC10192914	CCDC141			
NFS1	CEND1			
HERC5	GALNT3			
TMEM231	CFL2			
CDCA3	C10orf58			
CAPRIN1	CHAC1			
LRRC4	FAM90A1			
DCHS1	FLJ23152			
GREB1L	FOXE1			
ZMAT1	MOXD1			
RINT1	INTS7			

BCLAF1	VWA3B			
IL7	ADRA1A			
SENP6	FAM155B			
WDR72	HOXA6			
SIGLEC10	SEC1			
CAMKK1	KCNK3			
HTRA4	PNCK			
SAPCD1	C9orf171			
FAM167A	MLXIP			
B4GALT6	FCGR2A			
ATP11A	CA2			
LRTM1	FLJ41327			
ZBTB18	PANX2			
ZNF234	SLC9A3R1			
PRTFDC1	LOC100131366			
GABRA2	SLMO1			
ANKRD26	RIMS3			
EPB41L4B	MMACHC			
ASH1L	C3orf55			
TSPOAP1-AS	CRISP2			
GAMT	BMX			
MYO3A	MAGI3			
FAM65B	SAMD3			
MT1F	APBB1			
RASGRP2	KLF10			
LINC00909	INTS8			
FIGF	RNF168			
BANK1	TLX2			
GSTT1	WDR16			
SLC13A3	ARL3			
RAB6B	DGCR5			
C1orf106	PCDH1			
SPINK5	LOC100130232			
LOC401021	GSTA3			
COLCA2	NADKD1			
YTHDC2	HBG1			
CAPZA2	C21orf96			
GJB3	MGC4294			
ZNF667	LOC100129110			

DYNC1I1	ZNF498			
ACSF2	SLC39A6			
NFKBIZ	LY86			
SLC7A1	KRTAP3-3			
FAM134B	RASL11A			
STAT5A	GNGT1			
MAP9	SLC34A2			
RHPN1	LOC100129662			
LRRK2	ENHO			
LSM1	WDR86			
GABPB1-AS1	TMPRSS11E			
MAN1C1	SPATS1			
ACACA	SASS6			
PCDHB15	MAP2			
KIAA0101	CHN2			
HS3ST5	SCML4			
HIST2H4B	TMPRSS2			
CLEC10A	BTBD9			
ERBB3	ANKRD56			
NEK3	RNF180			
DNAJB5	SSC5D			
STXBP2	WDR72			
TENM4	C2orf65			
FAM19A3	HYMAI			
AQP7P1	SLC41A2			
UQCR11	ARL9			
PHLDA2	LRRC18			
OGDHL	PA2G4			
KIR2DS4	IGFALS			
SMOC2	POTED			
FAM92B	FEZF1			
ALDH5A1	FCGR3A			
KRT13	C6orf138			
BRCA1	KRT6A			
SMARCA4	PMEL			
CBR4	LOC349196			
FAM110B	TXNRD1			
TTC16	CYTL1			
PCK2	OR52N4			

BLOC1S5	RUNDC3B			
MTUS2	CYP4Z1			
RNPS1	C12orf73			
SIGLEC12	AZU1			
ANO1	TMEM236			
LOC440434	SNRNP25			
TRMT2A	PSME4			
RAB17	NHS			
TPRG1	ZMAT1			
XAB2	DLX1			
KCNV1	FAM19A2			
FOLH1B	AP1S2			
SYNGR1	EMP3			
MPDZ	HLA-DRB5			
ZNF37A	SCLY			
RASSF5	SPN			
DEPTOR	AIM1L			
LTB	CCDC8			
VPS26B	ENC1			
SF1	IQUB			
MS4A1	ITGAD			
SHOX	PALLD			
CDCA5	ELK1			
RAB18	LOC644662			
AP1S2	SFTA2			
NDNF	CHPF			
DNAJC12	REEP6			
KCND3	NIPSNAP3B			
ADGRF5	SLC26A9			
SFTPD	TBC1D10C			
DNAJC5B	MNDA			
LCLAT1	FLJ22184			
PTOV1-AS2	GEM			
KIAA1644	PRKG2			
KLRG2	C1orf114			
C20orf202	NPAS2			
PIK3IP1	LINC00319			
CDCA4	HFM1			
HLA-B	PCSK5			

LOC554206	CHURC1			
CXCR3	SYDE2			
MAD2L1	RNASEH1			
ARHGAP24	CIT			
LOC341056	KRT6C			
LINC00926	NAP1L3			
LOC10028806	PAQR5			
RFTN1	MAP6D1			
IFIT2	HLA-DRB3			
MYO10	SNORD15A			
GREB1	LINC00028			
MCTP1	SCGB3A2			
DAPL1	RNF19B			
FBRSL1	RPL15			
CEP44	SUSD5			
DIO2	MAPK8IP2			
TBC1D2	ATF3			
WDR33	RFC3			
SMS	RSPH1			
HCCS	KLK8			
CCER1	LOC389641			
NFE2L3	ZBBX			
WHRN	MRPL17			
HDC	FCER1A			
PIK3R2	ANO3			
TXLNG	TUBB8			
HMCN1	PPBP			
CD79A	LOC285147			
FGGY	SHC2			
GNAZ	SMG5			
HPR	PYCR2			
SLC22A31	CD40LG			
KRT17P5	MORN5			
COBLL1	CLEC1B			
PRR5L	SH2D1B			
BOK	LOC283713			
COQ3	SUSD4			
CCR3	C1orf116			
C12orf56	POU2AF1			

SMA4	GAL3ST1			
TMPRSS11A	ABCC8			
MELTF	CACNA1D			
MBNL2	LOC100130811			
TGFB2	CA1			
RAVER2	C1orf194			
L3MBTL1	WDR38			
SGCB	ITGB8			
MYBPC2	LOC100131551			
CEP55	CNTNAP3B			
PLEKHO2	TMEM98			
PABPC3	FAM154B			
CHMP5	CD74			
BBOX1	SDC2			
KNL1	APCDD1L			
RPL23	PACSIN3			
RPLP0P2	C12orf56			
ADGRF4	KLRD1			
SSX2IP	CMA1			
DTNB	KIAA1244			
SMYD3	TFF3			
KIZ	CD226			
B9D1	MBD2			
CEP89	HMGCS2			
FBXO11	C5orf56			
GEMIN8P4	FPR1			
TYMSOS	TSPAN5			
VNN3	NOG			
FAM83A	ANKRD42			
HERC6	ODZ4			
ETNK2	CCDC19			
SDK1	FLJ39051			
LOC10050713	FAM57A			
ANKRD36BP	CACNG6			
ODC1	OLFM1			
CNTN5	TAF4B			
GPC3	DNMT3B			
TMEM192	ART5			
ADA	C5			

CD1A	HES6			
TXNRD2	FUT3			
GALE	ENAH			
SULF2	CXCL2			
RAB39B	SPRR1B			
KIAA0319	LOC339988			
FNDC4	FPGT-TNNI3K			
APH1B	ALDH7A1			
MALAT1	IGFBP6			
JAM3	DOK2			
GKAP1	BMP4			
DYNLT3	LOC285548			
KCTD14	CRYM-AS1			
OIP5	PLIN4			
BRINP1	PCDH7			
NLN	LOC254896			
GLI2	C20orf85			
S100A1	C19orf80			
IL2RB	TXLNB			
CYP2J2	FBXO17			
HLA-F	RAPGEF5			
BAIAP2L1	GLYAT			
NMI	LRFN5			
LOC10192837	KRT14			
SLC37A3	KRT42P			
RFWD3	PRR5-ARHGAP8			
TMEM246	ACTA1			
TDRD7	TMTC1			
HIRA	SCTR			
RPN2	CCDC165			
SURF6	IL4I1			
AK4	LOC100130992			
C7orf50	STOML3			
AMY1C	LINC00271			
DIP2B	TP63			
THAP9-AS1	NEURL1B			
SFTPA1	SH3BP4			
PPIE	ZMYM6NB			
FGFBP2	OSBP2			

CRYBB2	CCDC164			
SNX7	SCARNA9			
GHR	TRAK2			
CARMIL2	FAM83F			
NMNAT3	AFF2			
TYRP1	LY6G6F			
TAF8	LOC439949			
NEFH	FUT6			
MEIG1	SEPT7P2			
CHODL	LOC400684			
SPRR1B	S100A3			
DYX1C1	DAO			
PCTP	LOC100128420			
MB	CCNO			
LOC650226	LARP6			
SLC16A9	WASF3			
GBP1	AIMP2			
NAT8L	PTPLA			
PPP5C	FGFR1			
JHDM1D-AS1	KRT9			
RTP4	CELA2B			
PC	SERPINA1			
CLCA2	LOC440028			
POPDC3	FAM70B			
HOMER2	DNMT1P1			
LCK	HSPA12A			
SPRR1A	RAPH1			
TP53I3	CPNE7			
FAM24B	CAPN9			
RGS12	SLC38A1			
GALR3	SERTM1			
IL6	PRR5L			
SIRT5	CPNE4			
WIF1	CHAT			
GCLC	GATA1			
PTGFR	DEPDC5			
SLA2	VAX1			
ARHGEF26-A	C19orf38			
HIST1H4F	SLC25A34			

DLEC1	LOC100130776			
ACVR2B	FAM92B			
HLA-H	SECISBP2L			
SLED1	CCDC37			
CFP	KCNK1			
FOS	BAG4			
NR2F1	FAM171A1			
POPDC2	FBXO15			
SSTR1	CENPQ			
AMPD1	FKBP11			
ODF2L	LST1			
ZBED5	ZDHHC15			
NSDHL	IL11			
ERP27	TACC3			
FUCA1	SRPX2			
ITGB3	SCARNA6			
MACROD2	KRT34			
CCNB3	GPR84			
KLK12	ANKRD12			
ZFHX2	NAIP			
LUZP2	LOC144571			
CD68	HLA-F			
SPOCK1	MUC15			
MIDN	SLC17A9			
NOS1	MYLK4			
ISG15	TEKT2			
LARGE1	RGS18			
SOCS6	CBX4			
ACOX3	EDA2R			
TNN	HSD17B11			
CASP10	C20orf165			
C15orf38-AP3	SPATA13			
ANKRD17	CHRD			
H1F0	C13orf27			
VDR	ACOX2			
TSPEAR-AS2	GLT25D2			
FEZ1	PNMA5			
GJB6	ZNF396			
ATG14	EPHA10			

KARS	VWA1			
CCDC172	GOLGA7B			
PAQR3	DYDC2			
ANKRD20A1	UPK3B			
LOC10537495	SAAL1			
RAMP2	GLYCTK			
FIGN	TMEM40			
PRELID2	PRSS3			
SERPINA1	ARSI			
MTFR2	ESYT3			
CD14	GZMH			
CCM2L	DIO2			
DOK2	SERINC2			
GLS	FAIM2			
GPRC5C	ZFPM2			
PTPRCAP	ARHGEF35			
TSPYL2	KLRK1			
PAPSS2	NUP62CL			
ADAMTS18	FAM166B			
TMEM45A	CTAGE5			
CRYBG3	HK2			
APOL2	FAM183A			
FAM133B	LOC100128320			
STX2	SNORA26			
RBMXL2	GPR110			
EYA2	EXD1			
CYB5B	GCNT3			
TBC1D16	ZNF730			
GBA2	FABP5			
SNX10	AMPD3			
MRPS11	POSTN			
PRKAA2	MSX1			
TBL1XR1	ATP13A4			
LGI2	3-Mar			
LINC01133	LOC284939			
IGKV1D-8	NLRP7			
MMP10	MTL5			
ENY2	LOC100132529			
SFTPB	GHRL			

C10orf107	PKP1			
QARS	SHISA3			
PCDH19	LUM			
HRH1	ZNF581			
GTSF1	LOC284080			
FSCN1	CBX2			
ZC3H7B	NPW			
KANK2	MESP1			
DNAH17	BARX2			
LILRA4	GLT8D2			
AR	PP7080			
PSAT1	CLDND2			
DCBLD1	PKIA			
TTLL12	GRIN2D			
SOX12	AKAP14			
SLC31A2	LINC00467			
SSTR2	CXCL17			
DCLRE1B	LRRC52			
TMLHE	DSG3			
MICALCL	GREB1			
MAP1B	LRRC10B			
SLC6A14	CES1P2			
MAP3K7CL	MMP10			
APOBEC3F	FAM174B			
WDR86-AS1	SPAG16			
SOSTDC1	RCOR2			
PDCD1	EXOSC5			
DDX58	LOC286109			
SMN2	LCN6			
LOC10537196	GRTP1			
LOC10050577	TNFRSF25			
FANCM	OASL			
DLGAP1	C1orf189			
LOC10537176	HCG26			
CGNL1	C2orf72			
SAFB	SPEG			
ITPR1	C21orf71			
SCNN1A	LOC400743			
EVPLL	CLDN10			

TSPAN8	KCNH8			
TBXAS1	TIGIT			
SH3BP5	PLG			
TRAP1	SCN3B			
DPYSL3	LOC645206			
NLGN1	POU4F1			
DMXL1	MKL2			
OPA1	LMO1			
WDR49	BEX1			
NTS	PTPN5			
SREK1	TLR5			
SLC34A2	FGGY			
STAP1	SLCO4C1			
PCMTD1	LSM3			
TSPAN2	NCCRP1			
ALG1L	DIO3			
RDM1	KCNMB4			
SPESP1	PTPLAD2			
EPHA1	CD244			
CCDC190	KIAA1045			
HIST1H1A	SLC30A6			
FBXO34	SEMA6D			
ELP2	TMEM167A			
TUBB3	ITLN1			
LOC286191	NOX5			
PROS1	BARX1			
AP1S1	FAM53C			
APLP2	SESTD1			
GNG2	SLC12A7			
CENPF	CFLAR			
ADH1A	CCL18			
DNASE1L3	RPS4X			
ATF3	EDN3			
STEAP1	CHPT1			
SPA17	LOC100134365			
IBSP	ANKUB1			
CNR1	C10orf25			
ZNF223	PHF12			
KCNMB4	MIRLET7BHG			

GFRA2	CRIP1			
LRP8	SFRP1			
LEF1	MS4A6A			
SLC2A3	KIAA0125			
VWC2	AFAP1-AS1			
ABCA8	EPHA3			
EAF2	KIAA0368			
MICA	DNAH2			
TGFB3	CX3CL1			
CDKN2B	STARD5			
ST6GALNAC	LOC100131662			
RNU12	WNK2			
SMIM22	EPHB6			
BBS5	NAV3			
HIST1H2AK	TG			
STK33	PLCB4			
KLHL23	DKFZp779M0652			
HAUS5	C3orf32			
EPHX2	PCDHA6			
C6orf132	PDE4B			
BEX4	LOC730227			
XKR5	LOC401220			
USP6	OR2B6			
HIST1H3D	TNAP			
HOMER1	SOX15			
ZFYVE9	ELOVL6			
THRSP	POLR3D			
HIST2H2AB	FAM83D			
PIGX	XAF1			
TALDO1	NLGN4X			
F13B	DEFA3			
PHACTR3	SPEF1			
KIAA1211L	PLEKHB1			
ABCA3	HILPDA			
CYP4F3	BDNF			
TNFSF14	NQO1			
TUBA4A	NAPSA			
LAMP2	ABCC5			
FGG	C6orf118			

B3GNT3	SERPINI2			
PLEKHA4	KLK6			
C19orf66	NR4A2			
CD244	IL1RL1			
MSN	KDM5B			
ENTHD1	ZFP42			
TMEM71	LY6H			
APOBEC3C	OMD			
SOBP	LSAMP			
PNMA2	MTTP			
SYCE1L	FLJ44635			
NMRK1	F2RL1			
CXorf57	IL37			
SLC6A12	GRIK2			
LINC01619	FOXD3			
SYNE2	SRRM3			
SHE	LMO3			
GRIA3	PLCB2			
MVB12B	SOX13			
FXVD3	DLX5			
DAAM1	MMP24			
LINC00944	LOC100128252			
FZD10	TLE2			
NR3C2	DIEXF			
GMNN	GCGR			
VAV3	TRIM54			
ZNF431	SHOX2			
MCTP2	SH3RF3			
FAM167A-AS	H6PD			
IGF2BP2	DLL4			
FUBP1	CMAHP			
P4HA3	LOC729860			
HIST1H2BM	C10orf55			
NECTIN4	NETO2			
DNAH2	COL4A4			
YAP1	MAGED4B			
SERPINB3	HTR4			
KCTD11	RAPGEFL1			
MED9	GPR65			

UBE2S	CANT1			
MESP1	SPTB			
SPRR2D	SP8			
EMB	SPSB1			
C17orf96	AP1S3			
UHL1	TRH			
CCDC170	MMP25			
RBBP4	C6orf127			
EGFR	SLC15A2			
LINC01341	MTHFD1L			
CATSPER1	KIAA0754			
ALS2CR11	RASGRP3			
DLK2	TTC21A			
IRF8	PAPPA			
CBX3P2	SYTL1			
MIR600HG	FAT2			
ALOX15B	SYNJ2			
MAPK14	BRSK1			
KRT77	DPYS			
FAM150B	IDI2-AS1			
CCDC148	EDIL3			
PHOSPHO2-	MACC1			
PRB1	CXorf30			
A1BG-AS1	DNAH17			
NFYA	TMEM171			
MFSD4A	TNFRSF9			
NFE2L2	CAPSL			
FNBP1L	AK8			
CRTAC1	C4B			
ZNF254	ACVR1C			
CPAMD8	FMO5			
KREMEN2	GSDMC			
RTP3	DSC3			
LPAR3	SRPK3			
FHAD1	STAC			
SVIP	MRPS30			
ENKUR	LOC389634			
ANO6	G0S2			
SOX8	LOC200772			

SCGB3A1	FRZB			
CHIT1	C13orf30			
CDK6	CAPS			
OSBPL6	NMB			
MDK	C1orf226			
MYLIP	SLC7A2			
TRIM9	ATP10A			
NDUFA4L2	SPRR3			
HPN	LOC388630			
ST13	GBP6			
TSPAN5	AMMECR1			
LINC00470	TLR7			
TK2	QDPR			
SFTA3	FGL2			
SKA1	UXT			
GALNT15	SOCS3			
LOC339803	C6orf141			
SCGB3A2	C4orf22			
RAB32	SLCO1B3			
ARHGEF40	C10orf99			
IQCD	TXNDC5			
RPGRIP1	TNFSF13			
AJUBA	FCAR			
KRT18	CCDC33			
GPC4	ATP8B5P			
CYP51A1	C8orf67			
S100A2	LOC731424			
NLE1	ITGA2			
SPRR3	XAGE2B			
KLF8	FLJ44511			
ZNF91	RGS9BP			
PRDM16	FLJ45950			
DDAH1	TMEM170B			
BDNF	NAP1L2			
ABHD2	PDLIM4			
SLITRK4	RPL27A			
TRIM7	CDSN			
ATP1A4	CTF1			
ABCA13	VCY			

PACSIN1	AHCYL2			
PDGFRL	FAM26E			
FABP6	TERF1			
DUOXA1	S100A7			
SOX4	LOC641518			
GALNT18	ICAM4			
GRP	AKT1S1			
NOSTRIN	MEOX1			
HOXB4	RBM44			
PLA2G10	CLEC12A			
MTBP	PAX6			
MRAP2	DPP10			
PNPLA4	FPR3			
ZNF385D-AS1	VEGFA			
TRIM5	PRSS57			
RAB31	CADM2			
LEMD1	PCSK2			
SMPDL3A	MICAL3			
LYPD1	SMOX			
SQRDL	CANX			
DNAH5	HYOU1			
BAIAP2L2	MGC16025			
FGF12	RGS13			
USP29	PRDM13			
ERCC6L	PRRT2			
RHOD	PPP1R17			
TNNT2	SFTA3			
UPK1B	SLC35F3			
SLC22A16	ZNF469			
SLPI	LOC100133089			
OLR1	HOXD11			
EOMES	LOC100130921			
ZCCHC2	HOXB6			
KIRREL	CD300LF			
ARHGAP25	ASXL3			
EID3	SV2B			
WFDC11	SEZ6L2			
KAZN	KIR2DS2			
PASD1	UGT1A6			

SLC22A23	MLLT11			
SCAPER	PLCL1			
MTX3	ZNF215			
HORMAD1	SLC29A2			
NLRC5	PLA2G4D			
EEF1D	ZNF623			
FJX1	DNAJC12			
PLAGL2	LMBR1			
KRT8	IFNE			
C2orf74	NPC2			
PAX6	C22orf32			
FYB	UBQLNL			
SOX6	UNC5CL			
ACER3	HTR2A			
PF4V1	LOC100129617			
FCRLB	ADRA2A			
INPP1	KRT77			
DNAH14	VNN3			
ARHGEF9	WDR65			
PRKAR2B	BTNL3			
PLEKHS1	GJB4			
PAX3	FLJ42709			
LOC10192997	MYCBPAP			
FAM21EP	NEK10			
OMD	C1orf55			
CTNNB1	PCDHGB7			
IFIT1	GJA3			
MMACHC	HIST1H1A			
CD79B	NFATC4			
IL12RB2	SCML1			
FLJ36840	CYP4X1			
XAGE5	PRRG1			
NIN	LOC100132354			
DUSP6	LOC388780			
KRT18P55	CNR1			
NPAS3	APOC2			
MFSD6L	AP1M2			
DKK1	SPTSSB			
ALDOC	COL9A2			

ANTXR1	RSPH10B			
SNX31	FAM69B			
ZNF616	ZNF239			
LOC10014777	TMEM64			
EXO1	WBSCR28			
DHDH	CRABP1			
BARX1	EPHX2			
NR4A1	SH3D21			
NR2F2-AS1	NOX4			
GATM	C14orf82			
SELL	NCOA7			
ST3GAL5	C16orf74			
FGF13	PCDHB5			
SERPINB5	CDH11			
GATSL2	MLPH			
CLYBL	SLN			
ABCB6	PTHLH			
DDX43	SPRR2D			
PRCAT47	KCNJ14			
NEDD9	C2orf54			
CHRM2	KLHL29			
RSPH10B	NAT8L			
ASNS	TNNI2			
BIRC3	NPB			
NTF3	TMEM200B			
RBM19	PCP4			
LOC647323	ARNT2			
NETO2	ITGA11			
OAS3	KRT4			
CXCL1	ZDHHHC8			
DNAJC19	KIAA1715			
PSPH	TLR8			
AGAP3	LGALS2			
SNIP1	SLC22A15			
GNRH1	MAPK10			
SFTA2	GATA3			
HIST1H2AE	SEMA3E			
UGT1A6	CRYM			
DLL3	GCLC			

ZNF259P1	ZNF503-AS1			
ARG2	LOC643650			
GPRC5A	PNOC			
ST6GALNAC	SPINK1			
FAT2	NAP1L5			
HSPB3	NKX3-2			
UTS2R	CPEB3			
FOXQ1	KCNS1			
PLPPR1	NR6A1			
FAM3D	LIN7A			
B4GALNT4	CABP7			
RRAD	FAM132A			
LOC10050628	WFDC10B			
THNSL2	ST18			
CENPW	CSTL1			
CD1C	CCDC151			
CKMT2	CFI			
C8orf46	NWD1			
IQCG	B4GALNT1			
ADAMTSL4	FP588			
AMIGO2	LOC100192426			
EBLN3P	BVES			
CPVL	PTPRS			
DKFZP586B0	C1orf138			
FAM198A	LOC401093			
RORC	FJX1			
CFH	IFIT3			
FGFR3	CCL26			
GREM2	NPLOC4			
MAGEA9	HOXA3			
TINCR	C6orf168			
RPL32P3	SLC16A1			
LY6D	CEP68			
HK2	PGF			
TCTN1	CAMTA1			
TNFRSF13B	MAGEA1			
POTEE	MKRN3			
AQP4	PRSS22			
ME3	GPR64			

LAD1	HOXC9			
SAMHD1	IQCA1			
TMEM98	KRT32			
ST6GAL2	RNF39			
ZNF727	SRXN1			
C3AR1	LOC100133299			
CD1E	RSAD2			
ZDHHC15	TTYH2			
FGFR1	CLC			
S100A5	SCNN1B			
DLSTP1	HOXC13			
MAFA	CCDC64			
ZNF708	RHPN1			
CARD18	SYNDIG1L			
SPINK1	LOC115110			
FABP7	HES2			
KCNJ2-AS1	C9orf125			
C2orf54	BEST2			
ZNF462	FBXL20			
DPY19L2	EDN2			
ACAP1	SHMT1			
BMP7	WISP3			
KIF27	FAM101A			
BCL11A	MDGA1			
RIT1	ADH4			
ANXA8L1	MAGI2-IT1			
CEACAM7	ISLR2			
SGMS2	BTN3A2			
LRRC75B	TMEM156			
CEACAM5	TGFB2			
APC2	PPP6R1			
LOC389834	WDR76			
RAG1	C1orf130			
SLFN13	HSD17B2			
BLNK	FHAD1			
DOCK4	PPARG			
ALOX12	DKFZp434J0226			
PROK2	SAA4			
CACNA2D2	FAM8A1			

PEBP4	ADAMDEC1			
TEX15	RHBG			
DIRAS2	TTLL9			
LRRC73	FLJ40852			
LINC01127	FSTL4			
SULT1A2	PTGER2			
KCNK6	SH3BGRL2			
FOXJ1	CYP4V2			
CMIP	C1QTNF8			
DMKN	OPRL1			
HAND2-AS1	C21orf90			
SPRR2C	TMEM41A			
BCAS1	C5orf22			
GSTM3	DMRT3			
MEX3B	IRX2			
AKR1C1	TLL1			
SCGB2A1	C9orf169			
DEFB1	SAA2			
ELF5	C21orf15			
TTLL3	DERL3			
MAGEA6	REPS2			
SMO	SLURP1			
NTN1	LOC100132111			
CARS2	CXCL14			
KIAA1324	ARMC3			
ADGRL1	C11orf86			
PYHIN1	GAP43			
TNRC18	ATG9B			
LRRIQ1	FAM124A			
ADIRF	STXBP5L			
FBXO38	MGAT5B			
CAPS	LOC128322			
CBS	CYP1A2			
SNCA	GJB6			
ABCA4	FAM59B			
ERAP2	TMPRSS11D			
LINC01001	SLAIN2			
LINC01370	PCDHA9			
BMP2	PPP2R2C			

GALNT12	TBX15			
FLI1	SIX2			
RNF128	HOXB9			
FYN	TGM2			
EPHA7	FCRLA			
SERPINB4	ANKRD35			
ADAM22	LOC285084			
RBP1	PKDCC			
TMPRSS11D	BBIP1			
PNCK	FBLN2			
SULT1E1	PXDNL			
GPX8	CACNG4			
DUSP26	MFSD2A			
PPIL2	TMEM87B			
ACSM5	KRT13			
MSRB1	GRIN1			
LOC10027074	DGCR9			
CCDC58	FAM183B			
TNFSF13	LAPTM5			
GSTO2	DEFA4			
CES1	IL17C			
SORL1	SNCA			
FUT2	MNS1			
IL5RA	DIRAS3			
GSTA3	WNT10A			
HAPLN1	IL12A			
FDCSP	TRPM6			
TLR7	C10orf92			
SMIM10	TNRC18			
CLN5	TP53INP2			
AQP5	EMR3			
CTSH	ADAM28			
IFT74	IVL			
ASRGL1	MIPOL1			
NLRP7	C3orf70			
DPYSL5	LOC254559			
NDRG2	CCDC60			
TFPI	HPSE			
SCGB1A1	UGT1A8			

STAC	COLEC10			
ZDHH11	LOC100129781			
GRB14	ANKRD34B			
NSUN7	CTLA4			
KCNJ6	CCDC81			
S100A7A	TRIM63			
PI3	ELSPBP1			
TAP1	MAGEA2B			
PARP10	POU3F2			
SCARNA17	MT1E			
ARL4D	MYO3B			
FAM111B	GLI2			
TMTC1	KRTAP4-1			
SYCE3	IRX4			
KLRC2	NIPAL4			
ASPH	LOC100506253			
SMA5	CECR7			
CH25H	TKTL1			
TMEM116	ITGAM			
LOC400684	FAM134B			
TRPM8	CALB1			
CA9	C2CD4B			
MAGEA1	PHLDB2			
SLC7A8	C21orf37			
GGTLC1	MT2A			
APOBEC3G	IGF2			
NPPC	EMG1			
RSPO2	TCF15			
PCP4L1	COL9A3			
MIR4697HG	LOC100131733			
AGER	HOXB13			
ZNF479	RIMS2			
EBF3	RNF175			
UGT1A8	CST1			
LOC349160	PACRG			
RAB3B	PLA2G16			
TAL1	IBSP			
MAP2K5	GABRB2			
KIAA1804	MAGEA12			

PKP1	KLRB1			
TMC5	PSPH			
SMIM6	LINC00189			
RETN	MEGF11			
FAR2P1	LINC00207			
SLC9A3R1	FLVCR2			
PPM1L	CCL13			
SLC2A1	SLC5A1			
SLCO4A1	TMPRSS6			
PNMAL1	E2F5			
SNORA78	PGLYRP4			
SAMD9L	FAM153B			
EEF1A2	GPT			
APOD	HLA-DQA2			
RIPPLY2	EFCAB10			
CSPG4	IL6			
C4BPA	LIX1L			
TF	FLJ40194			
CAPN13	LOC100129940			
KLRK1	RTN4RL1			
FAM3B	HHEX			
DNER	C6orf99			
SLC16A5	LOC100216001			
TRAF1	CTTNBP2			
C15orf48	LPPR3			
GMPR	GDPD2			
BST1	TMEM190			
NEAT1	TTC9B			
CHP2	SLC9A2			
ANKRD18A	NKX6-2			
PHGDH	CMTM2			
LIG4	CHIT1			
ADPRHL1	TBC1D3B			
ZNF579	PSIMCT-1			
HLA-K	KC6			
PYGO1	TDRD9			
IFITM5	PKIB			
BHLHE23	SPRR1A			
ACAA2	PLAC1			

GKN2	DPYD			
B4GALNT3	POF1B			
LOC10012839	REM1			
MGC39584	BASP1			
RFPL1S	LOC100652824			
NOV	CSAG2			
CCNA1	G6PD			
ZNF714	CNTN1			
ARHGAP20	PCSK9			
PON3	DGCR10			
CLU	TUBAL3			
DYDC2	FZD8			
CYP24A1	ZNF280B			
APOL1	HOXD3			
SRSF12	CNTNAP2			
NMRAL1P1	BCO2			
STXBP6	CERS3			
SLC16A14	EPHA1			
TFF1	FLJ45513			
MYL9	GLOD5			
FENDRR	PRSS1			
ZDHHC2	LOC344887			
C1orf21	C9orf68			
TNIP3	TMEM158			
RHCG	GRAP			
UTY	OBP2A			
APOBEC3A	PALM3			
B4GALNT1	CPXM2			
C2orf40	LOC401847			
BAALC	LILRA2			
ZNF251	MAGEA4			
GJB2	APOH			
MAGEA4	SAA1			
HCLS1	MRAP			
HOXC10	C20orf103			
TMEM132B	CLDN14			
CTSE	HLA-DQA1			
FABP5	HOGA1			
BIK	C8orf4			

MDGA1	MST1P9			
BLK	COBL			
SOHLH1	GORAB			
FAM78A	LOC285141			
EDN1	CDH23			
LINC00942	C9orf152			
CREB5	MIA2			
JAKMIP2	FIGNL2			
PLS1	LEPROT			
C12orf75	CCDC114			
DZIP1L	ITIH4			
AIF1L	FAM81A			
LY75	TDRKH			
ADCY10	SPIB			
ZNF93	FAM153A			
MPPED1	FREM2			
MS4A8	SLC27A6			
TMEM150C	LAPTM4B			
LINC01206	HTR2C			
MIR210HG	LAMC2			
SOST	MIR205HG			
DES	C8A			
BMP8B	MYBPC2			
ANOS1	PTN			
CORO1A	CD86			
BRIP1	PHYHIP			
CCDC122	STEAP4			
FAM83D	C20orf54			
FST	LOC100130894			
POTEG	MYBPH			
ICK	SOX2			
IMPAD1	KCNJ10			
COX6A2	LGALS7			
PRLR	FAM71A			
LONRF2	RNF150			
ENTPD3	HOXD10			
PPARGC1A	IL31RA			
NECTIN3	LGI2			
CRMP1	VWA5B1			

PCSK5	CLDN1			
CYP3A5	LINC00470			
OCA2	GJB7			
ZNF595	ALOX5AP			
MAGEA12	ROS1			
ITGAD	SLC2A4			
SOX21	HGC6.3			
HBG1	SPRR2A			
MYCNOS	FGF18			
PDE4DIP	PCDHB16			
MPPED2	LOC645195			
SEMA3B	NALCN			
ZNF365	AQP9			
RBM11	DIRAS1			
LOC441666	PTGER1			
SEC14L4	GLB1L3			
KHDRBS2	MYBPHL			
HOXA7	UCA1			
C6orf10	IP6K3			
IL36RN	INHA			
KCNA3	SHC3			
WNT2B	OR2A20P			
IGF2	LOC645431			
MAGEA11	HOXD13			
MCF2L-AS1	GSTO2			
HCN4	ASZ1			
MSMB	ERC2			
SYTL5	LRP5L			
DNAI2	ABCC6P1			
SLC39A8	ALOX15B			
CYP2C19	CGB			
SULT1B1	PCDHA12			
PLCB2	DDIT4L			
PEG3-AS1	GPR172B			
HOXA11-AS	FAM3D			
TNFRSF19	PTX3			
CCBE1	CNTNAP3			
SPAG17	LIM2			
FGF18	RHCG			

VSIG10L	SNHG13			
LEP	DMRTC1			
SGCG	OR10A3			
APOBEC3H	FAM82A1			
DNAJA4	GAST			
ZNF880	SLC25A21			
ALDOA	NINJ2			
C9orf24	APOBEC3A			
ERVMER34-1	KCNJ3			
ABCC5	FBN3			
ASS1	WNK4			
CLDN8	HNMT			
TRAT1	LOC100131657			
NMNAT2	ALDH1A1			
POTED	ALOX15			
HRASLS2	LOC100130547			
ADH1C	HP			
FAM43B	KBTBD12			
ATF5	LRRC15			
SLC51A	LOC100130171			
IFI44	DACT2			
IL1RN	SLC28A2			
KRT81	PSAPL1			
MGC16025	C17orf110			
EGLN3	HTATIP2			
TRIM15	FOXL2			
FRAS1	TPD52L1			
JAKMIP3	BEX5			
CASC9	FRK			
RAP1GAP	CTSW			
G0S2	GPD1			
MID1	PRF1			
COL22A1	TCN1			
LOC10192806	HK3			
GABRG2	GPC1			
ETV7	PRSS12			
NPR3	A2ML1			
CYB5R2	SEC22C			
DST	ZNF682			

MAGEA2B	C10orf140			
IQCA1	PART1			
ITGB6	GDA			
CFI	FOXJ1			
TMC1	MZB1			
HMGCS1	P2RY13			
FGF14-AS2	ALOX12P2			
PSMB9	C4orf46			
FCRL4	LTBP1			
STAR	RIMS1			
MUCL1	MED10			
HOGA1	KIR2DL2			
NAV2	IGF2BP2			
DSEL	IL1RAP			
ZBP1	RAB19			
CLDN22	GABRB3			
LRP2	APOD			
C11orf87	ZNF493			
GPX2	RAB17			
BID	FLJ16779			
KCNA2	ALDH3B2			
IRX5	CCDC135			
GPB1	NUP210			
LRRC17	CCL25			
CDC42BPA	SNORA53			
COL4A4	FTCD			
GPR87	ZMYND12			
S100A12	TMED6			
HTR2C	ADCY10			
TXNIP	ENTPD2			
MARK1	HIST3H2A			
ADM	KDM6B			
AZGP1	TMEM38B			
QPCT	VCX2			
ABCC3	FLJ32224			
SEMA6A	KLK12			
LINC00520	FPR2			
NDRG1	AMY1C			
ATP2B2-IT2	ZNF683			

CLDN4	ENPP1			
C6orf15	KRT31			
KCNJ16	SOHLH1			
SOX11	JAG2			
LINC01116	LEFTY1			
MEG3	FAM167A			
TRIM22	NFE2			
DMD	IFI44L			
SPPL2B	TOX			
EFS	LOC100240735			
POF1B	ACSL5			
GPR153	KRT6B			
CYP4B1	KIAA0319			
ARSE	TRPM8			
RASSF8	HHLA2			
C6orf52	ETNK2			
LDLRAD1	RPRML			
GRIA2	KCTD1			
PLA2G3	TMSB15A			
ADAM8	KRTDAP			
NOS2	PAEP			
ZFP82	MRPS23			
KRT4	KIF19			
C15orf59	C12orf63			
NTN4	LYPD6			
ZFHX4	SOX9			
ASB9	MERTK			
AK5	AGBL2			
VAV1	DSEL			
DEPDC7	BEND6			
B3GALT5-AS	CEACAM5			
CXCL6	LOC100292680			
KCNG1	SOX21			
PNLDC1	CCDC40			
IL17RD	SLC4A5			
PHF24	TSPEAR			
CAPNS2	LOC401022			
DRC1	RAN			
FGFBP1	PAX7			

S100A7	KIRREL2			
	LOC100129846			
	LOC339894			
	EYA1			
	ZNF280A			
	LOC100131581			
	TMPRSS11A			
	EGR4			
	ICAM1			
	CP			
	NR1H4			
	FGA			
	PNMA6C			
	SYT14			
	GATM			
	PTGER3			
	WDFY3			
	TFEC			
	CELSR2			
	VIL1			
	CYP2S1			
	FRMPD2			
	GPR143			
	TRIM16L			
	TMEM213			
	SP9			
	DAPL1			
	RHOU			
	PARM1			
	MICALCL			
	FCRL2			
	SLC35E4			
	RTDR1			
	UCHL1			
	FOSL1			
	UPP1			
	TMEM92			
	C22orf34			
	NOS1AP			

	TRIM36			
	JSRP1			
	SERPINE2			
	DUSP5P			
	BMP7			
	LOC100129322			
	LOC340340			
	GUCY2E			
	WSCD1			
	TRGV7			
	C1QL4			
	IL22RA2			
	IYD			
	C3orf80			
	CCDC11			
	KCNMA1			
	TNNT3			
	GLB1L2			
	GPR37L1			
	DNAH3			
	SLC5A8			
	AMH			
	C2orf62			
	DRGX			
	TDO2			
	STAR			
	HAS2			
	BAK1			
	CHST9			
	IL12RB2			
	HOPX			
	FOXD1			
	FHOD3			
	KLRG2			
	PNMA6A			
	LOC285696			
	ZBTB32			
	KCND2			
	C1orf61			

	DUOXA2			
	SBK1			
	LOC152225			
	PITX2			
	LOC100130899			
	LOC285556			
	PLLP			
	PCDH19			
	THAP2			
	SPOCK1			
	GYG2			
	C3orf72			
	DLX2			
	C15orf62			
	S100A7A			
	FGFR2			
	ANO7			
	FLJ45983			
	ADAMTS17			
	ZG16B			
	TMEM184A			
	LOC286058			
	TREM1			
	GUCY1B2			
	FABP7			
	SLC30A4			
	LTF			
	TFF2			
	HCAR1			

DEG, differentially expressed gene.

Table SII. Identification of hub genes in the protein-protein interaction network.

Gene symbol	Adjusted P-value	Log fold-change	Gene name
KIF14	5.74×10^{-6}	-1.9770134	Kinesin family member 14
NCAPG2	5.52×10^{-9}	-1.2456477	Non-SMC condensin II complex subunit G ₂
ANLN	3.10×10^{-5}	-1.560272	Anillin actin binding protein
BUB1	1.70×10^{-6}	-1.2585053	BUB1 mitotic checkpoint serine/threonine kinase
MAD2L1	3.93×10^{-4}	-1.0075425	MAD2 mitotic arrest deficient-like 1 (yeast)
TPX2	3.67×10^{-7}	-1.4714173	TPX2, microtubule nucleation factor
AURKA	3.37×10^{-12}	-2.1476215	Aurora kinase A
CDC20	1.96×10^{-5}	-1.1330192	Cell division cycle 20
MELK	2.40×10^{-4}	-1.3568054	Maternal embryonic leucine zipper kinase
CCNA2	8.16×10^{-8}	-1.342301	Cyclin A2
KIAA0101	3.12×10^{-4}	-1.0826013	KIAA0101
AURKB	1.21×10^{-9}	-2.0235643	Aurora kinase B
SHCBP1	4.33×10^{-6}	-1.2658734	SHC binding and spindle-associated 1
TRIP13	3.85×10^{-5}	-1.2652913	Thyroid hormone receptor interactor 13
CEP55	4.61×10^{-4}	-1.0450117	Centrosomal protein 55
CCNB1	5.51×10^{-9}	-1.5079542	Cyclin B1
STIL	1.22×10^{-5}	-1.346031	SCL/TAL1 interrupting locus
PLK1	9.68×10^{-16}	-2.0158361	Polo-like kinase 1
PTTG1	1.90×10^{-12}	-1.8142409	Pituitary tumor-transforming 1
CCNB2	5.93×10^{-9}	-1.830246	Cyclin B2
NEK2	1.03×10^{-5}	-1.4930301	NIMA-related kinase 2
CDT1	7.21×10^{-7}	-1.4797523	Chromatin licensing and DNA replication factor 1
FANCI	1.74×10^{-8}	-1.683478	Fanconi anemia complementation group I
KIF20A	4.43×10^{-9}	-1.9711933	Kinesin family member 20A

RACGAP1	1.40×10^{-7}	-1.4157703	Rac GTPase activating protein 1
FAM64A	4.57×10^{-5}	-1.6499213	Family with sequence similarity 64 member A
NUSAP1	6.74×10^{-5}	-1.0574087	Nucleolar and spindle associated protein 1
HMMR	1.95×10^{-8}	-1.8402024	Hyaluronan-mediated motility receptor
NCAPG	2.96×10^{-6}	-1.2857245	Non-SMC condensin I complex subunit G
CENPF	1.21×10^{-3}	-1.3452715	Centromere protein F
PLK4	1.12×10^{-4}	-1.0507732	Polo-like kinase 4
DEPDC1	6.79×10^{-9}	-2.5792606	DEP domain-containing 1
PRIM1	8.19×10^{-6}	-1.1005947	Primase (DNA) subunit 1
FEN1	3.16×10^{-7}	-1.612603	Flap structure-specific endonuclease 1
CHEK1	1.53×10^{-4}	-1.2013564	Checkpoint kinase 1
MCM10	3.10×10^{-7}	-1.4362663	Minichromosome maintenance 10 replication initiation factor
CENPN	1.64×10^{-4}	-1.1467605	Centromere protein N
NEIL3	7.42×10^{-11}	-2.5943106	Nei-like DNA glycosylase 3
CDC25C	2.83×10^{-15}	-2.3028602	Cell division cycle 25C
EXO1	3.65×10^{-3}	-1.0154822	Exonuclease 1
OIP5	5.47×10^{-4}	-1.2717783	Opa interacting protein 5
GTSE1	2.25×10^{-10}	-1.5312862	G ₂ and S-phase expressed 1
HJURP	1.12×10^{-7}	-1.4706442	Holliday junction recognition protein
CDCA5	3.64×10^{-4}	-1.0332921	Cell division cycle-associated 5